OTHER ITEMS TO ADDRESS

ROE Process – General Terms
Chain of Command
Position Descriptions and Responsibilities
Expectations
Media
General Disaster Area Safety
Lodging – Management must know
Calling Tree
Administration – Timesheets
Blue Roof Program vs Self Help Program
Volags
flexibility
what to expect – conditions in a disaster area
accountability and reporting
numbers reporting

WELCOME TO THE RECOVERY FIELD OFFICE (RFO)

HURRICANE XXXX
TEMPORARY ROOFING MISSION
(OPERATION BLUE ROOF)

Operation Blue Roof
On-site Training

Part 1 – Organization, Safety, ROE Process
Part 2 – Field Standard Operating Procedures

Placeholder for FEMA logo

Placeholder for USCE logo

- Mission Assignment

Review of the Temporary Roofing Mission

- Mission Overview
- Organization Structure
- Team Members
- Roles and Responsibilities
- Mission Operations
- Reporting Requirements

Mission Overview

- FEMA has tasked the Corps to execute the Temporary Roofing Mission in Louisiana

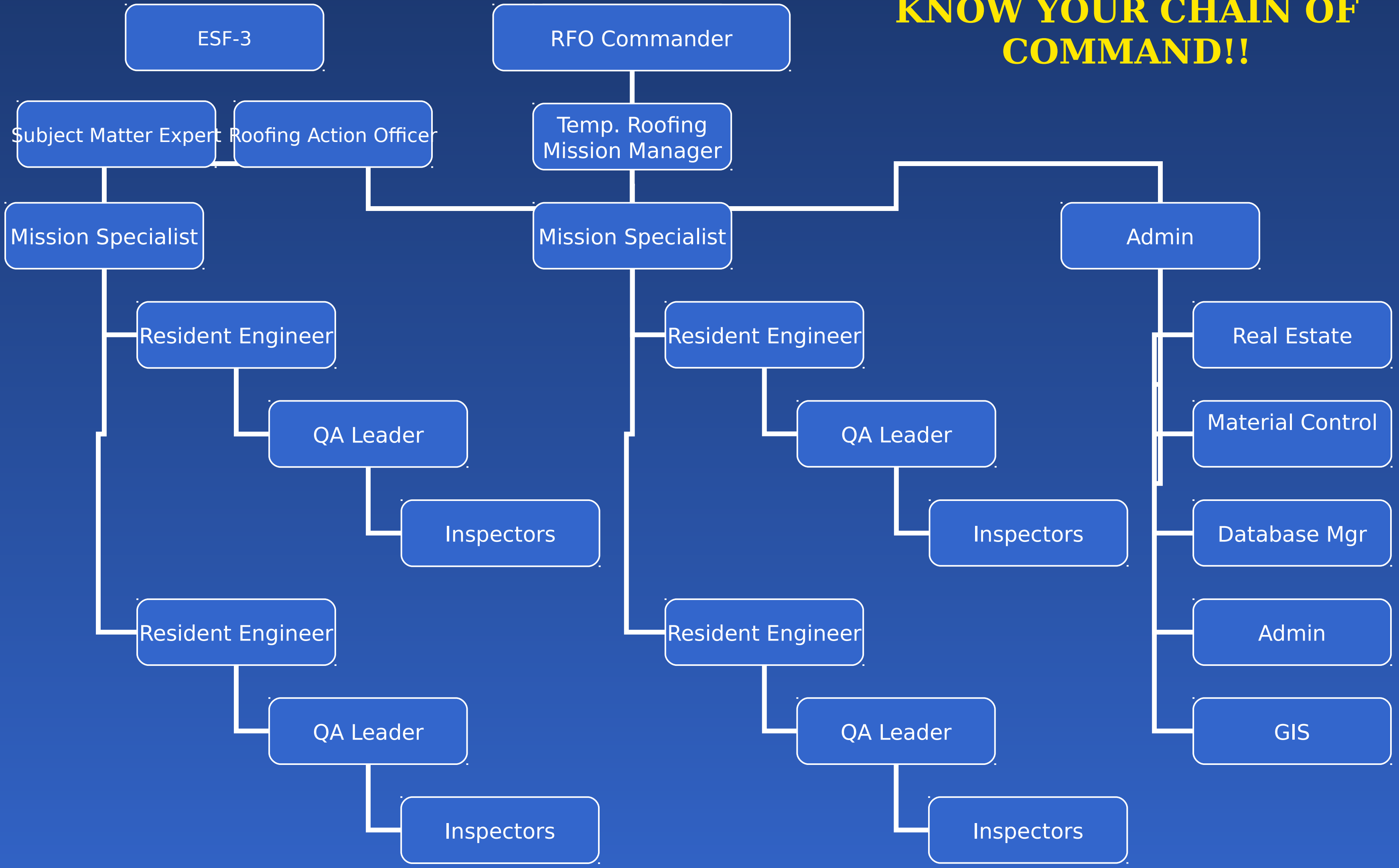
- Current estimated need is 50,000 temporary roofs

- Purpose is to provide temporary repairs to roofs to minimize water damage in living areas to maintain habitability.

- As members of the Blue Roof Team ---- it is up to **YOU** to assist those impacted by the hurricane to make this mission a success!

OVERALL ORGANIZATIONAL STRUCTURE

KNOW YOUR CHAIN OF COMMAND!!



ESF-3

RFO Commander

Subject Matter Expert

Roofing Action Officer

Temp. Roofing Mission Manager

Mission Specialist

Mission Specialist

Admin

Resident Engineer

QA Leader

Inspectors

Resident Engineer

QA Leader

Inspectors

Resident Engineer

QA Leader

Inspectors

Resident Engineer

QA Leader

Inspectors

Real Estate

Material Control

Database Mgr

Admin

GIS

FIELD LEVEL STRUCTURE

KNOW YOUR CHAIN OF COMMAND!!

KNOW WHO YOUR DIRECT SUPERVISOR IS!!

Resident Engineer

QA Team Leader

QA Inspectors

ROLES AND RESPONSIBILITIES

- Mission Manager
  - Responsible for overall execution of the mission
  - Reports to RFO Commander
- Mission Specialists
  - Assist in overall management of operations as directed by the mission manager
- Resident Engineers
  - Responsible for field execution of the mission to include oversight of contractor work and management of QA personnel

ROLES AND RESPONSIBILITIES

- QA Team Leaders
  - Front line supervisors of QA inspectors
  - Oversight of work, Quality Control
  - Development of work assignments
  - Daily safety/work meetings
- QA Inspectors
  - Implementation of ROE process
  - Development of initial estimates
  - Development of final estimates
  - Public interaction

ROLES AND RESPONSIBILITIES

- Other Support Personnel
  - Admin
  - GIS
  - Database Managers

TEAM MEMBERS

- Team Members
  - Corps employees from just about every District
  - Army/National Guard/Reservists/and members of the military
  - Employees from other Federal Agencies
  - FEMA volunteers
  - Contract QA Inspectors
- Other Support
  - Volags

GENERAL SAFETY PRACTICES

Required Safety Equipment

- Steel Toe Boots
- Hard hat
- Safety glasses
- Sunscreen
- Special Needs – Disaster Specific
  - x

Find New Picture

TRESPASSING
Heart Church
Preparing For Eterni
WITH US!

RIGHT-OF-ENTRY (ROE) PROCESS

QA Inspector Equipment

- ROE Process SOP
- Calculator
- Pens
- x
- x
  - x

Find New Picture

TRESPASSING
eart Church
Preparing For Etern
WITH US!

Part 2 –
On-site Standard Operating Procedures: Guidance for Federal and Contract Personnel

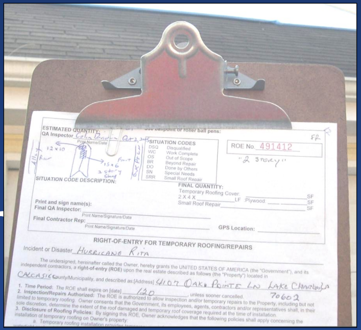
Estimation, Installation, QA/QC

OBJECTIVES

- Communicate standards for installation
- Promote accurate estimates
- Facilitate contractor compliance
- Minimize rework
- Improve QA/QC process

ELEMENTS OF PROCESS

- Estimation
- Repair
- Quality Assurance/Quality Contr



ESTIMATED QUANTITY: Use ballpoint or roller ball pens:
QA Inspector [illegible] Oct 2, 2005
Print Name/Date

12 x 10
Rear
15 x 6
Front
2 story
Steep

SITUATION CODES

DSQ	Disqualified
WC	Work Complete
OS	Out of Scope
BR	Beyond Repair
DO	Done by Others
SN	Special Needs
SRR	Small Roof Repair

ROE No. 491412
"2 story"

SITUATION CODE DESCRIPTION:

FINAL QUANTITY:
Temporary Roofing Cover: ____ SF
2 X 4 X ____ LF Plywood: ____ SF
Small Roof Repair ____ SF

Print and sign name(s):
Final QA Inspector: ____
Print Name/Signature/Date
Final Contractor Rep: ____
Print Name/Signature/Date
GPS Location: ____

RIGHT-OF-ENTRY FOR TEMPORARY ROOFING/REPAIRS

Incident or Disaster Hurricane Rita

The undersigned, hereinafter called the Owner, hereby grants the UNITED STATES OF AMERICA (the "Government"), and its independent contractors, a **right-of-entry (ROE)** upon the real estate described as follows (the "Property") located in Calcasieu County/Municipality, and described as:[Address] 4107 Oak Pointe Ln Lake Charles La 70602

1. **Time Period:** The ROE shall expire on [date] 120, unless sooner cancelled.
2. **Inspection/Repairs Authorized:** The ROE is authorized to allow inspection and/or temporary repairs to the Property, including but not limited to temporary roofing. Owner consents that the Government, its employees, agents, contractors and/or representatives shall, in their sole discretion, determine the extent of the roof damaged and temporary roof coverage required at the time of installation.
3. **Disclosure of Roofing Policies:** By signing this ROE, Owner acknowledges that the following policies shall apply concerning the installation of temporary roofing on Owner's property:
   a. Temporary roofing installation provides

SAFETY

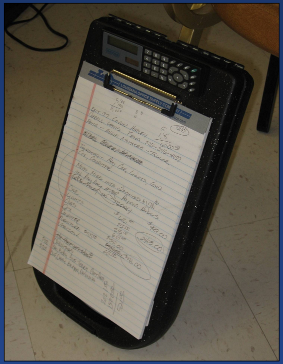
- Federal and contractor personnel
- All phases of process
- Federal personnel as safety inspectors
- USCOE Safety & Health Manual
- Common sense

SAFETY : FEDERAL PERSONNEL

- Required Equipment
  - Steel-toed, steel-shanked boots
  - No roof work
- Common Sense Items
  - Construction and disaster site savvy
    - Hardhats
    - Debris
    - Traffic
  - Dogs, insects, sunburn, surrou
  - Hygiene

SAFETY : CONTRACTOR CREWS

- Required Equipment
  - Footwear
  - Other gear
- Required Procedures
  - On-site monitor
  - Ladder control
  - Harness use



PHASE I: ESTIMATION

Nikon
TRAVELITE V

PHASE I: ESTIMATION

Elements

- Interacting With Homeowner
- Using the ROE
- Qualifying the Building
- Necessary Equipment
- Roof Geography and Area Estimation

PHASE I: ESTIMATION

Interacting With Homeowner

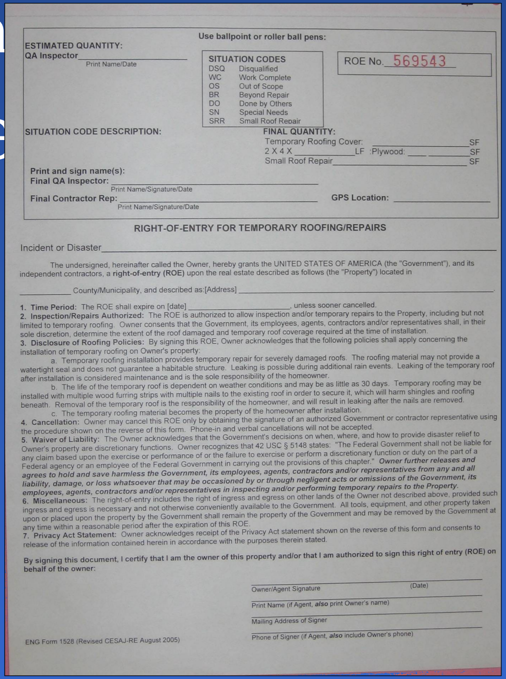
- Check for homeowner presence
- Listen courteously and explain program
- Address concerns where possible
- Leave property as you find it (gates, etc)
- Advise of disqualification (?)

TRESPASSING
eart Church
Preparing For Etern
WITH US!

PHASE I: ESTIMATION

Using the ROE

- Check window for matching pink copy
- Sketch roof and calculate estimates
  - Provide intermediate totals
  - Place total at top, underlined, marked w/ s.f.
  - Write phone number above perfora
- Leave gold copy with homeowne
- Return white, green, and yellow



Use ballpoint or roller ball pens:

ESTIMATED QUANTITY:
QA Inspector____________________
Print Name/Date

SITUATION CODES

DSQ	Disqualified
WC	Work Complete
OS	Out of Scope
BR	Beyond Repair
DO	Done by Others
SN	Special Needs
SRR	Small Roof Repair

ROE No. 569543

SITUATION CODE DESCRIPTION:

FINAL QUANTITY:
Temporary Roofing Cover: ________________SF
2 X 4 X ____________LF :Plywood: ____ __________SF
Small Roof Repair____________________SF

Print and sign name(s):
Final QA Inspector: __________________________
Print Name/Signature/Date
Final Contractor Rep: __________________________
Print Name/Signature/Date
GPS Location: ________________

RIGHT-OF-ENTRY FOR TEMPORARY ROOFING/REPAIRS

Incident or Disaster________________________________

The undersigned, hereinafter called the Owner, hereby grants the UNITED STATES OF AMERICA (the "Government"), and its independent contractors, a **right-of-entry (ROE)** upon the real estate described as follows (the "Property") located in

__________ County/Municipality, and described as:[Address] ____________________________.

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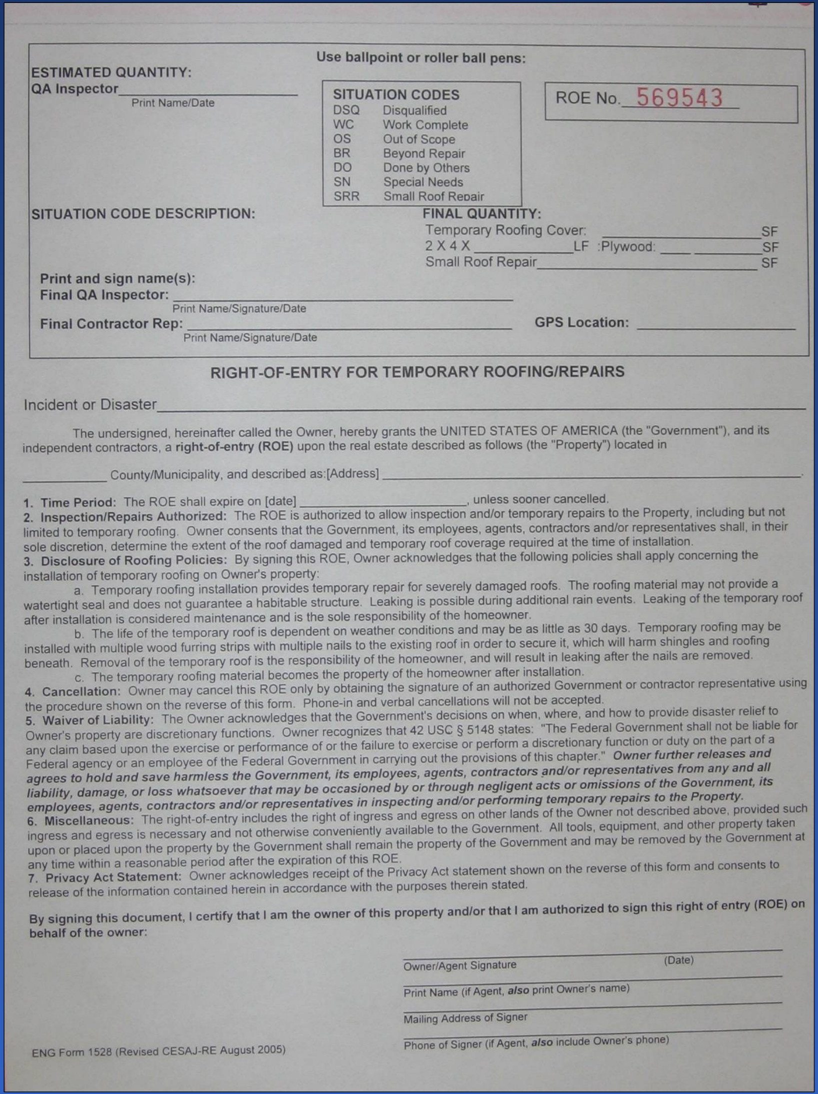
3. **Disclosure of Roofing Policies:** By signing this ROE, Owner acknowledges that the following policies shall apply concerning the installation of temporary roofing on Owner's property:
   a. Temporary roofing installation provides temporary repair for severely damaged roofs. The roofing material may not provide a watertight seal and does not guarantee a habitable structure. Leaking is possible during additional rain events. Leaking of the temporary roof after installation is considered maintenance and is the sole responsibility of the homeowner.
   b. The life of the temporary roof is dependent on weather conditions and may be as little as 30 days. Temporary roofing may be installed with multiple wood furring strips with multiple nails to the existing roof in order to secure it, which will harm shingles and roofing beneath. Removal of the temporary roof is the responsibility of the homeowner, and will result in leaking after the nails are removed.
   c. The temporary roofing material becomes the property of the homeowner after installation.
4. **Cancellation:** Owner may cancel this ROE only by obtaining the signature of an authorized Government or contractor representative using the procedure shown on the reverse of this form. Phone-in and verbal cancellations will not be accepted.
5. **Waiver of Liability:** The Owner acknowledges that the Government's decisions on when, where, and how to provide disaster relief to Owner's property are discretionary functions. Owner recognizes that 42 USC § 5148 states: "The Federal Government shall not be liable for any claim based upon the exercise or performance of or the failure to exercise or perform a discretionary function or duty on the part of a Federal agency or an employee of the Federal Government in carrying out the provisions of this chapter." ***Owner further releases and agrees to hold and save harmless the Government, its employees, agents, contractors and/or representatives from any and all liability, damage, or loss whatsoever that may be occasioned by or through negligent acts or omissions of the Government, its employees, agents, contractors and/or representatives in inspecting and/or performing temporary repairs to the Property.***
6. **Miscellaneous:** The right-of-entry includes the right of ingress and egress on other lands of the Owner not described above, provided such ingress and egress is necessary and not otherwise conveniently available to the Government. All tools, equipment, and other property taken upon or placed upon the property by the Government shall remain the property of the Government and may be removed by the Government at any time within a reasonable period after the expiration of this ROE.
7. **Privacy Act Statement:** Owner acknowledges receipt of the Privacy Act statement shown on the reverse of this form and consents to release of the information contained herein in accordance with the purposes therein stated.

By signing this document, I certify that I am the owner of this property and/or that I am authorized to sign this right of entry (ROE) on behalf of the owner:

____
Owner/Agent Signature (Date)
____
Print Name (if Agent, ***also*** print Owner's name)
____
Mailing Address of Signer
____
Phone of Signer (if Agent, ***also*** include Owner's phone)

ENG Form 1528 (Revised CESAJ-RE August 2005)

USING THE ROE



ESTIMATED QUANTITY:
QA Inspector____________________
Print Name/Date

Use ballpoint or roller ball pens:

SITUATION CODES

DSQ	Disqualified
WC	Work Complete
OS	Out of Scope
BR	Beyond Repair
DO	Done by Others
SN	Special Needs
SRR	Small Roof Repair

ROE No. 569543

SITUATION CODE DESCRIPTION:

FINAL QUANTITY:
Temporary Roofing Cover: ________________SF
2 X 4 X ____________LF :Plywood: __________SF
Small Roof Repair________________SF

Print and sign name(s):
Final QA Inspector: ________________________
Print Name/Signature/Date
Final Contractor Rep: ________________________ **GPS Location:** ____________
Print Name/Signature/Date

RIGHT-OF-ENTRY FOR TEMPORARY ROOFING/REPAIRS

Incident or Disaster________________________________

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Owner/Agent Signature (Date)
____
Print Name (if Agent, ***also*** print Owner's name)
____
Mailing Address of Signer
____
Phone of Signer (if Agent, ***also*** include Owner's phone)

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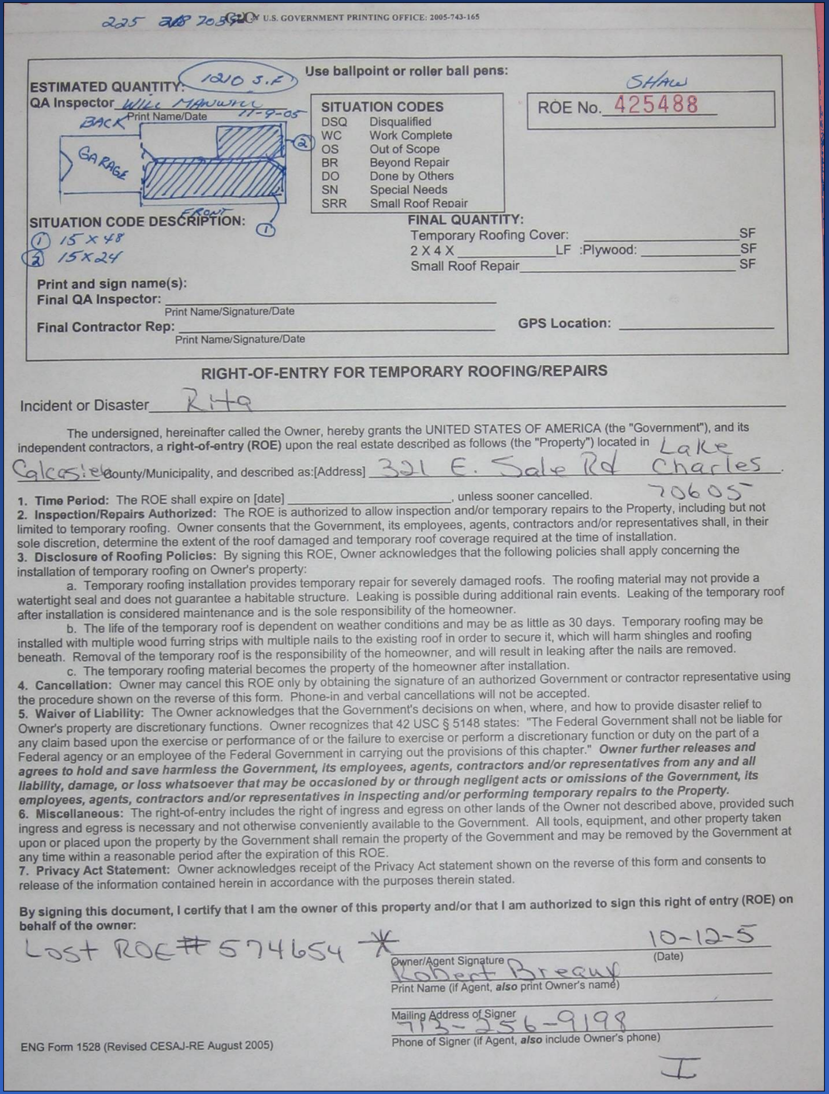

225 218 705 GPO U.S. GOVERNMENT PRINTING OFFICE: 2005-743-165

ESTIMATED QUANTITY: 1210 S.F
QA Inspector Will Manwill 11-9-05
Print Name/Date

BACK
GARAGE
FRONT
②
①

Use ballpoint or roller ball pens:

SITUATION CODES

DSQ	Disqualified
WC	Work Complete
OS	Out of Scope
BR	Beyond Repair
DO	Done by Others
SN	Special Needs
SRR	Small Roof Repair

SHAW
ROE No. 425488

SITUATION CODE DESCRIPTION:
① 15 x 48
② 15x24

FINAL QUANTITY:
Temporary Roofing Cover: ________________SF
2 X 4 X ____________LF :Plywood: __________SF
Small Roof Repair________________SF

Print and sign name(s):
Final QA Inspector: ________________________
Print Name/Signature/Date
Final Contractor Rep: ________________________ **GPS Location:** ____________
Print Name/Signature/Date

RIGHT-OF-ENTRY FOR TEMPORARY ROOFING/REPAIRS

Incident or Disaster Rita

The undersigned, hereinafter called the Owner, hereby grants the UNITED STATES OF AMERICA (the "Government"), and its independent contractors, a **right-of-entry (ROE)** upon the real estate described as follows (the "Property") located in Lake Calcasieu County/Municipality, and described as:[Address] 321 E. Sale Rd Charles 70605.

1. Time Period: The ROE shall expire on [date] ____________________, unless sooner cancelled.
2. Inspection/Repairs Authorized: The ROE is authorized to allow inspection and/or temporary repairs to the Property, including but not limited to temporary roofing. Owner consents that the Government, its employees, agents, contractors and/or representatives shall, in their sole discretion, determine the extent of the roof damaged and temporary roof coverage required at the time of installation.
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7. Privacy Act Statement: Owner acknowledges receipt of the Privacy Act statement shown on the reverse of this form and consents to release of the information contained herein in accordance with the purposes therein stated.

By signing this document, I certify that I am the owner of this property and/or that I am authorized to sign this right of entry (ROE) on behalf of the owner:

Lost ROE# 574654 * 10-12-5
Owner/Agent Signature (Date)
Robert Breaux
Print Name (if Agent, ***also*** print Owner's name)
____
Mailing Address of Signer
713-256-9198
Phone of Signer (if Agent, ***also*** include Owner's phone)

ENG Form 1528 (Revised CESAJ-RE August 2005)

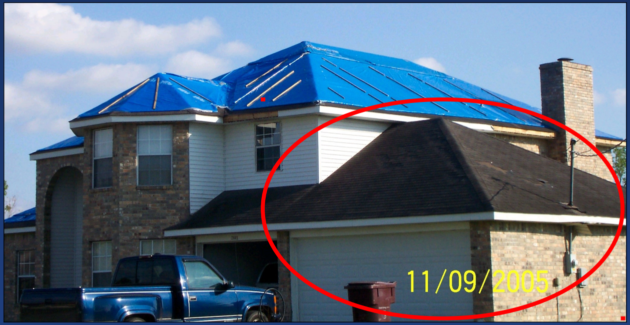
I

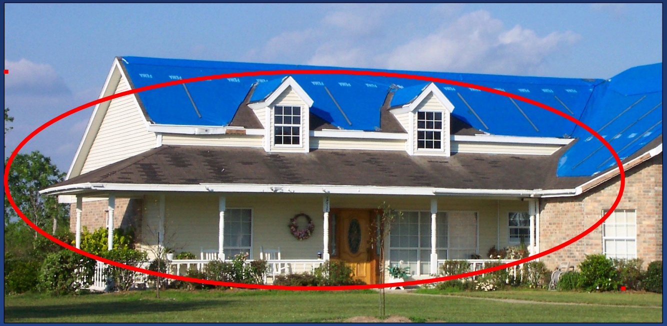
PHASE I: ESTIMATION

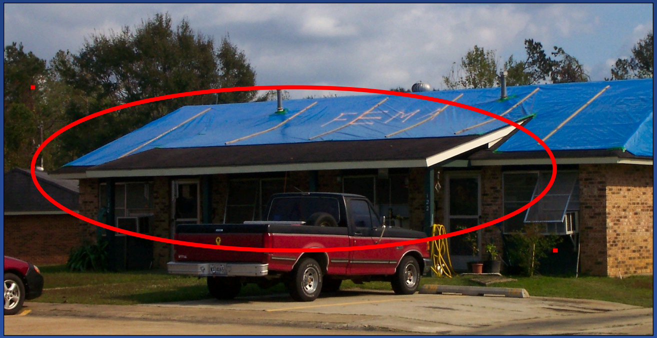
Qualifying the Building

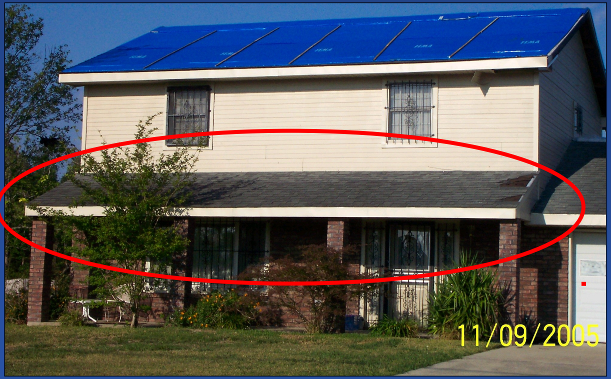
- Residential living areas only
  - No garages
  - No porches
  - No storage areas
- Conventional roofing only
  - No metal
  - No slate or tile
  - No asbestos
- No flat roofs
- At least 50% structural elements remaining
- No trees on roof

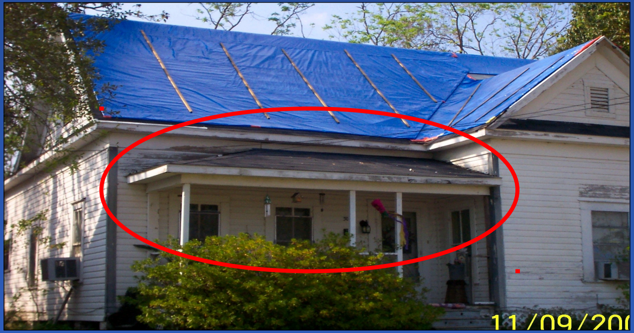
Non-living Areas

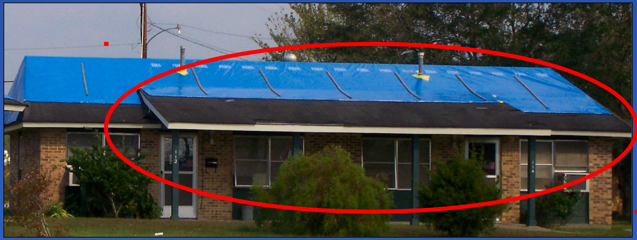












DISQUALIFICATIONS

Flat
Roof

DISQUALIFICATIONS

Non-shingle Roofs

Asbestos

Metal

Gravel

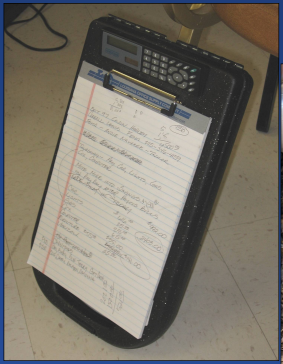
Tile/Slate

DISQUALIFICATIONS

PHASE I: ESTIMATION

Necessary Materials

- Clipboard
- Calculator
- 100-foot tape
- Roof angle gauge
- Local area map or GPS syste



Useful But Optional

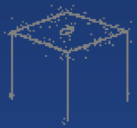
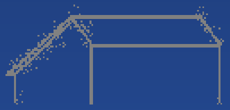
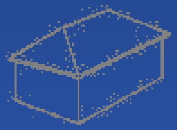
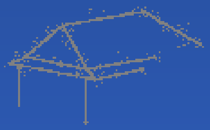
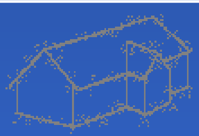
- Straightedge
- Graph paper
- Binoculars
- Digital camera

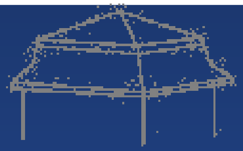
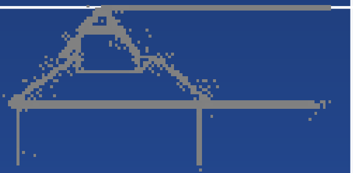
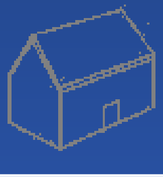
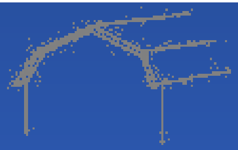
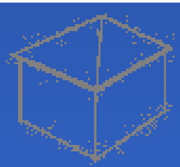
PHASE I: ESTIMATION

Roofing Geometry and Area Calculation

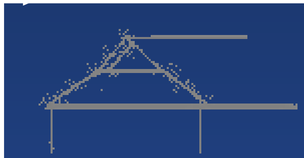
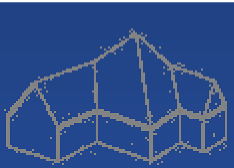
- Draw footprint
- Sketch in ridge lines and valleys
- Estimate line lengths, including 2-ft ridge covers
- Divide into squares, rectangles, parallelograms and triangles
- Calculate individual areas
- Estimate slope and apply multiplier
- Note individual units and sum

ROOF STYLES (1)

	**FLAT ROOF** A single plane that is pitched at a low angle to shed water.
	**SALT BOX ROOF** Shed roof built onto a gable roof at the same pitch and width.
	**HIP ROOF** A gable roof with the ends brought together at the same pitch as the rest of the roof.
	**KICKED EAVES** A roof enhancement where the plane near the eaves is "kicked"
	**CROSS GABLE** Pairs of gable roofs set a right angles to each other.

	**MANSARD** A couple planed hip roof.
	**HIP ON GABLE** A partial hip applied to the peak of a gable roof.
	**GABLE** Two pitched roofs, back to back, forming a triangular roof.
	**GAMBREL ROOF** A gable type roof with breaks in the planes.
	**PYRAMID** A hip roof built on a square base with equal eaves.

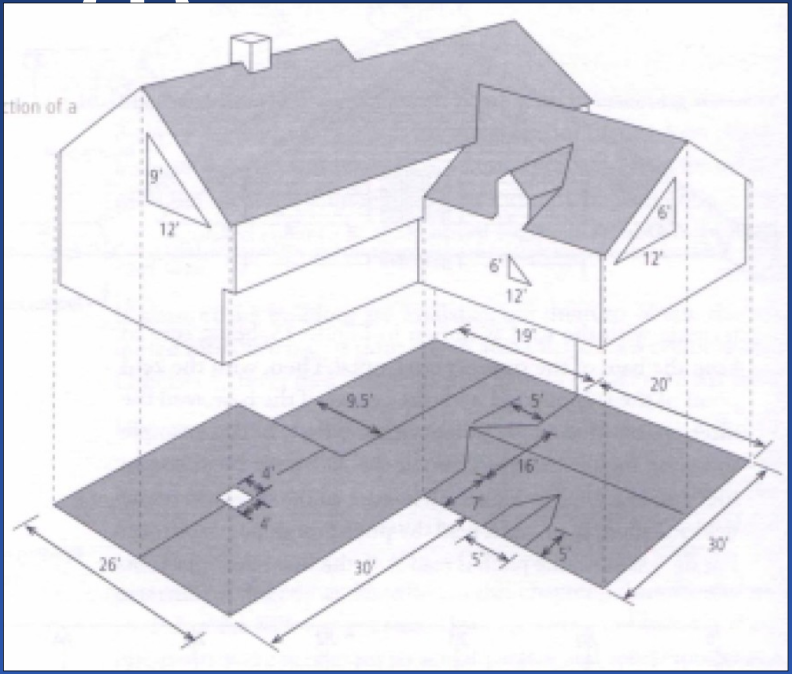
ROOF STYLES (2)

	**HIP AND GABLE** A combination hip and gable where the hip ends partially up the gable.
	**HIP WITH CROSS GABLES** A central hip with crossing gables.

Excerpted from website of Mott Roofing Company., a
http://www.gordonmott.com/styles.html. They attrib
it to a tutorial on roofing by Ohio State University.

PHASE I: ESTIMATION

Roof Geometry and Calculation Tutorial (1)


ction of a
9'
12'
6'
12'
6'
12'
19'
20'
9.5'
5'
4'
16'
7'
4'
26'
30'
5'
5'
30'

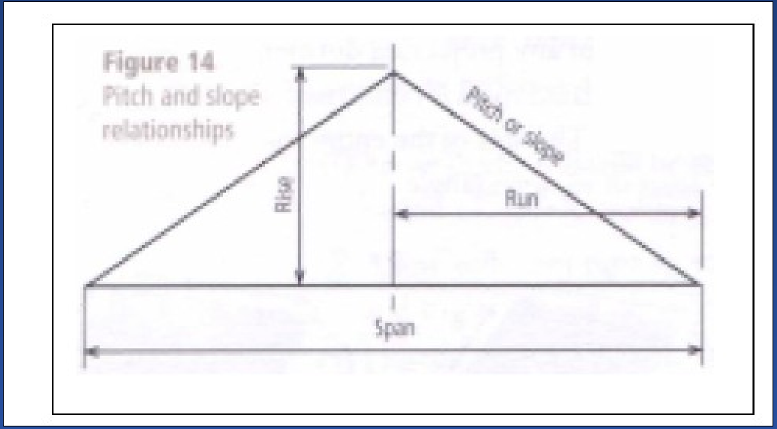
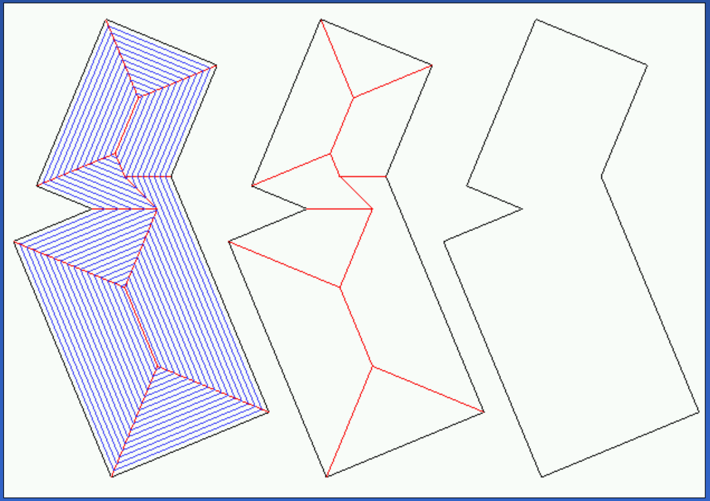
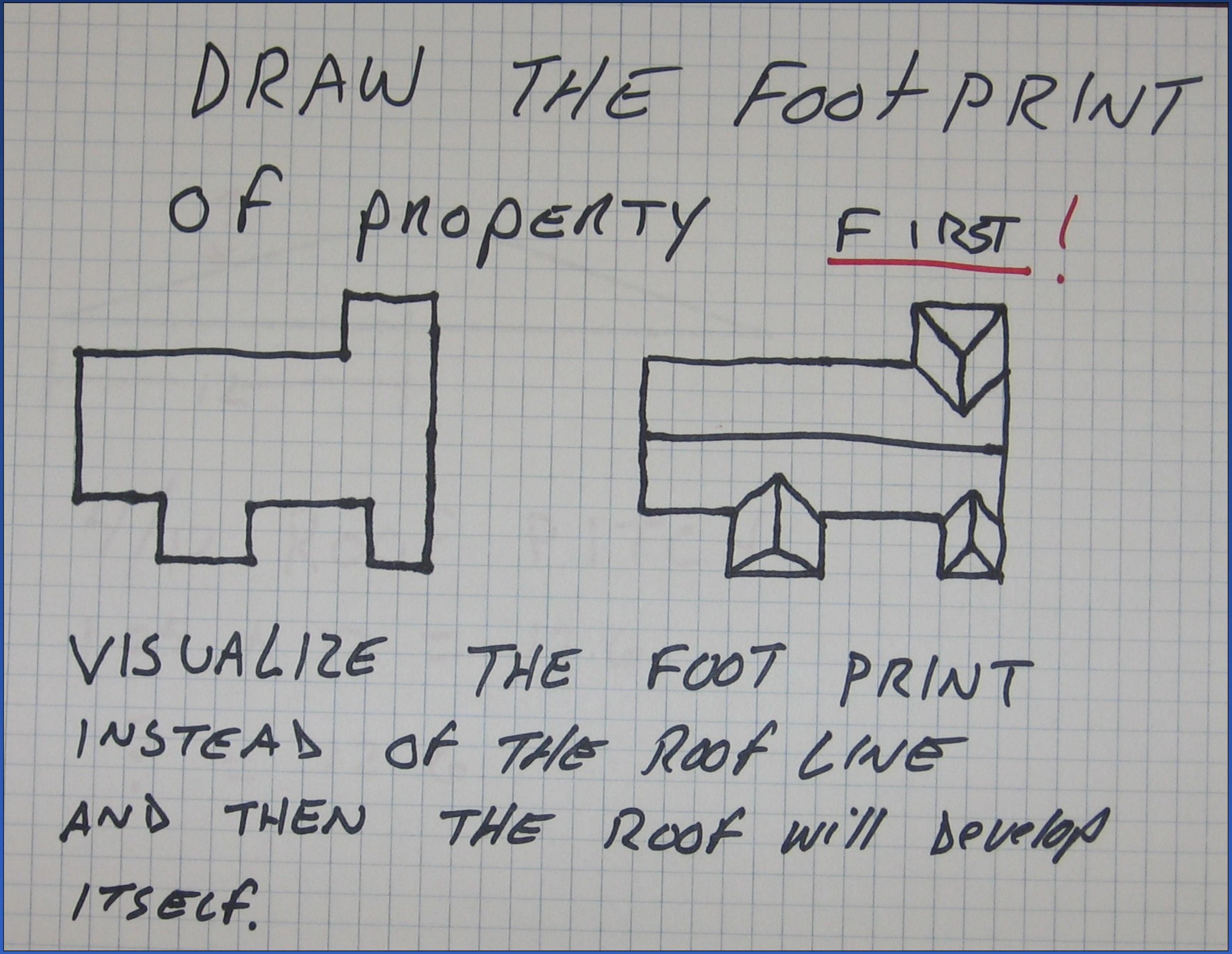


Figure 14
Pitch and slope relationships
Rise
Pitch or slope
Run
Span



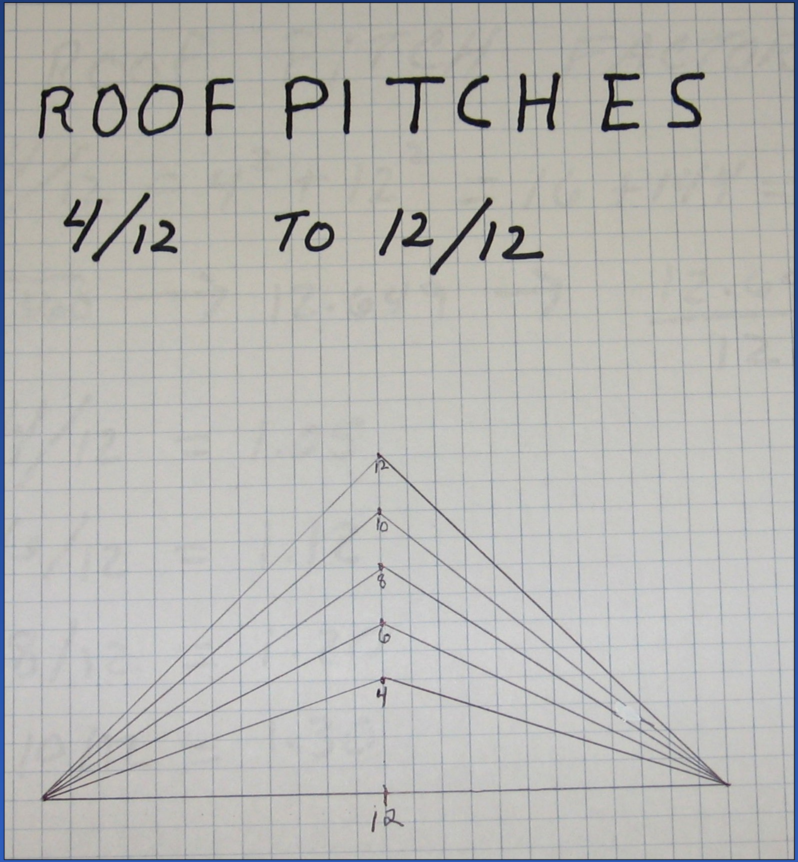
Roof Geometry and Calculation Tutorial (2)



DRAW THE FootPRINT
of property FIRST!

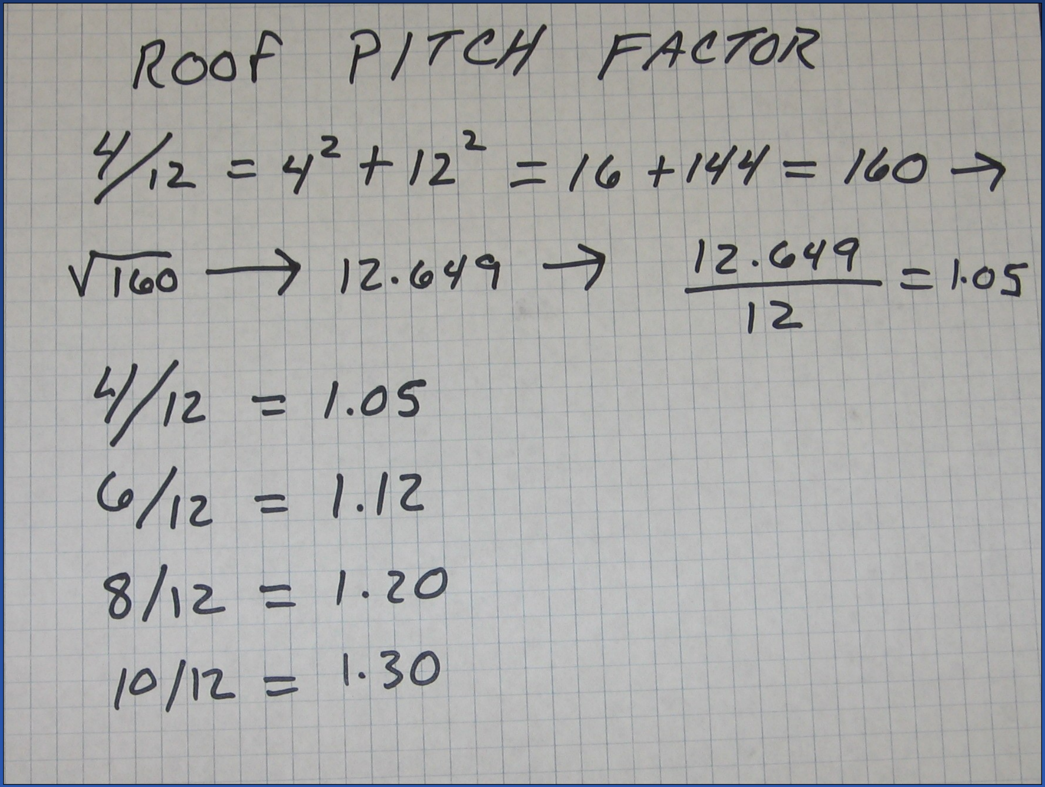
VISUALIZE THE FOOT PRINT
INSTEAD of THE Roof LINE
AND THEN THE Roof will develop
itself.

Roof Geometry and Calculation Tutorial (3)



ROOF PITCHES

4/12 TO 12/12



ROOF PITCH FACTOR

$4/12 = 4^2 + 12^2 = 16 + 144 = 160 \rightarrow$

$\sqrt{160} \longrightarrow 12.649 \rightarrow \dfrac{12.649}{12} = 1.05$

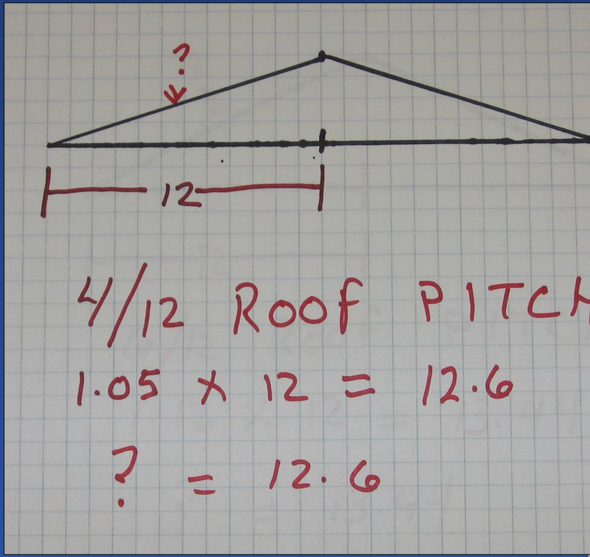
$4/12 = 1.05$

$6/12 = 1.12$

$8/12 = 1.20$

$10/12 = 1.30$

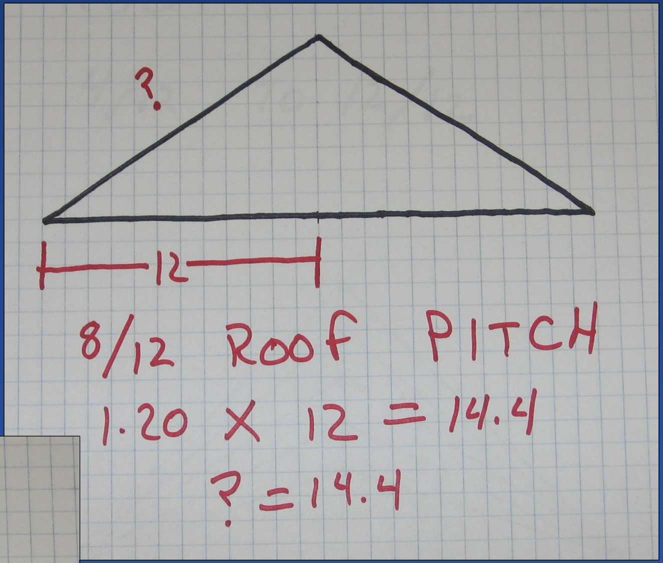
Roof Geometry and Calculation Tutorial (4)



4/12 Roof PITCH

1.05 x 12 = 12.6

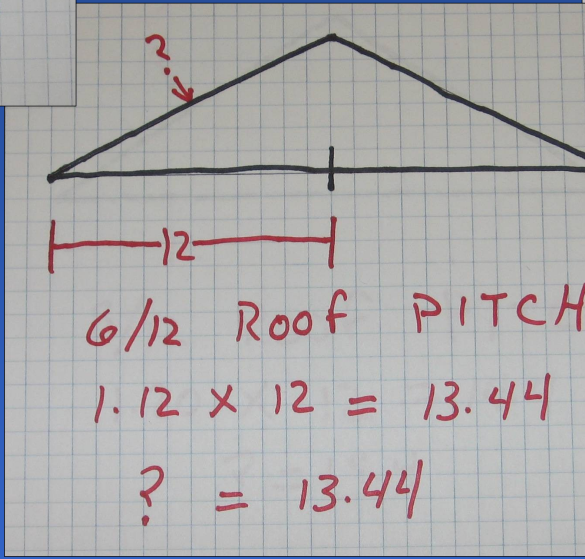
? = 12.6



8/12 Roof PITCH

1.20 X 12 = 14.4

? = 14.4

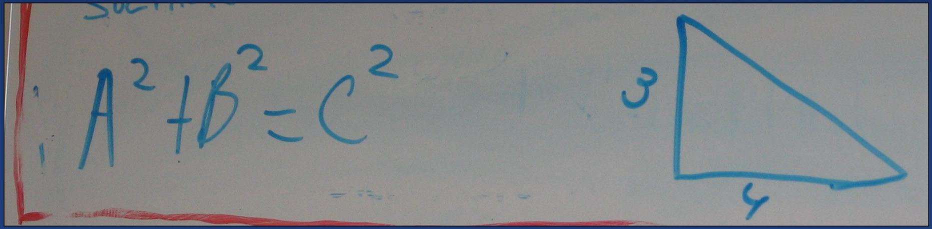


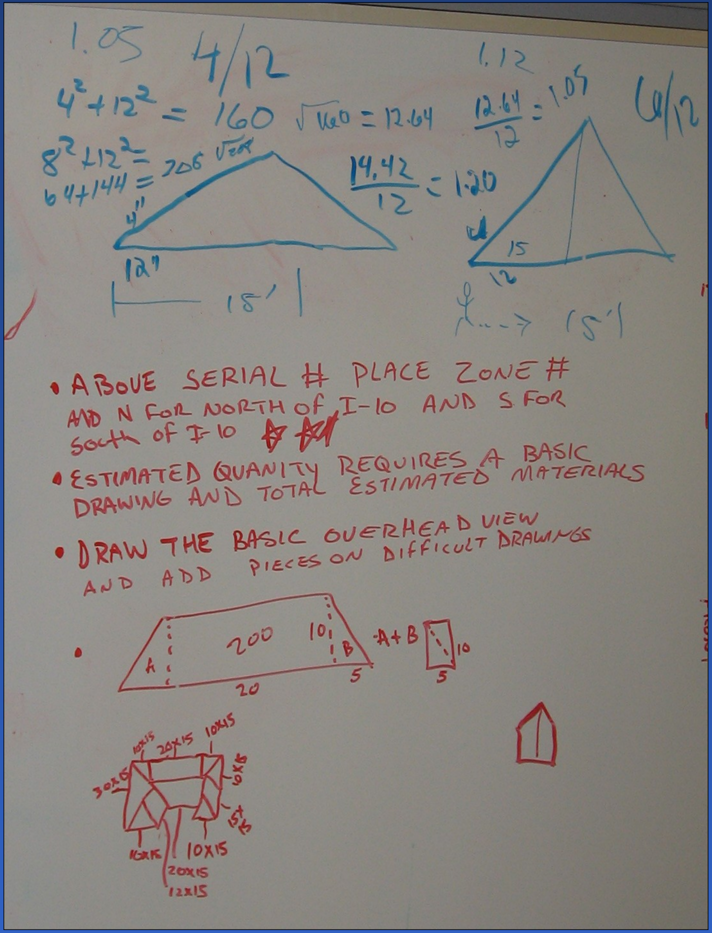
6/12 Roof PITCH

1.12 x 12 = 13.44

? = 13.44

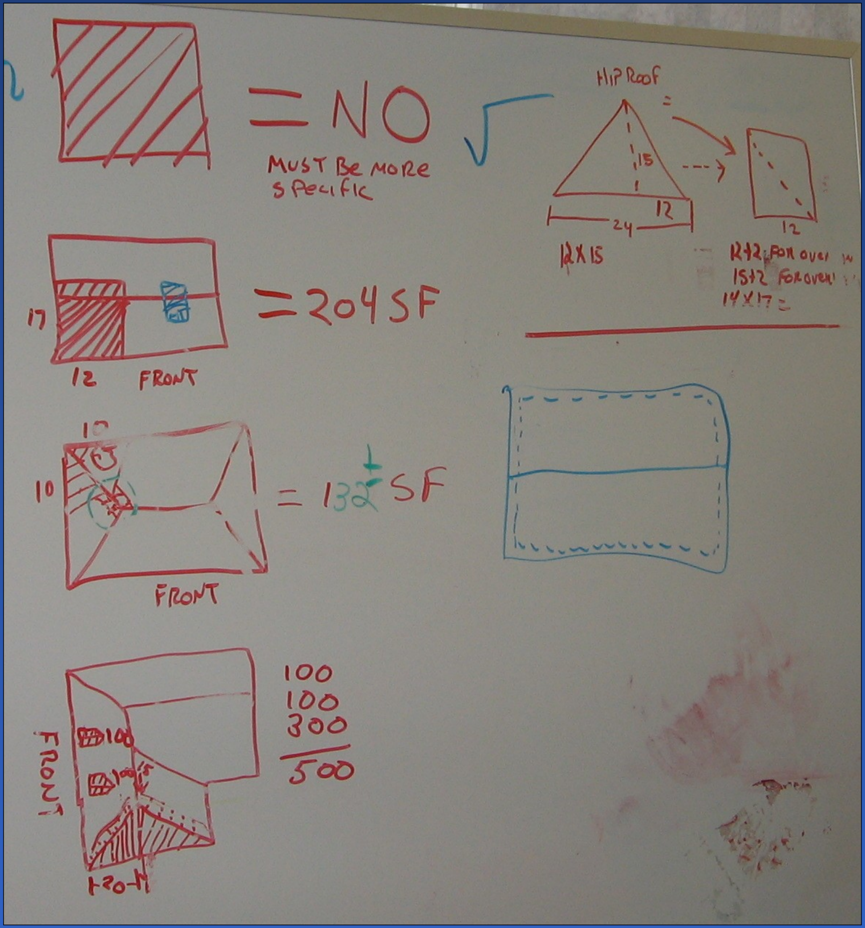
Roof Geometry and Calculation Tutorial (5)





1.05
4/12
$4^2+12^2 = 160$ $\sqrt{160} = 12.64$
1.12
$\frac{12.64}{12} = 1.05$
6/12
$8^2+12^2 =$ 208 $\sqrt{208}$
$64+144 =$
$\frac{14.42}{12} = 1.20$
4"
12"
18'
15
12
15'
200
10
A
B
20
5
A+B
10
5
10X15
20X15
10X15
30X15
10X15
15X15
10X15
20X15
12X15

- ABOVE SERIAL # PLACE ZONE # AND N FOR NORTH OF I-10 AND S FOR South of I-10
- ESTIMATED QUANITY REQUIRES A BASIC MATERIALS DRAWING AND TOTAL ESTIMATED
- DRAW THE BASIC OVERHEAD VIEW AND ADD PIECES ON DIFFICULT DRAWINGS



= NO
MUST BE MORE SPECIFIC
Hip Roof
=
15
12
24
12X15
12
12+2 FOR OVER
15+2 FOR OVER
14X17 =
17
12
FRONT
= 204 SF
10
10
FRONT
= 132 SF
FRONT
100
100
15
20
100
100
300
500

PHASE II: REPAIR

PHASE II: REPAIR

Types of Work

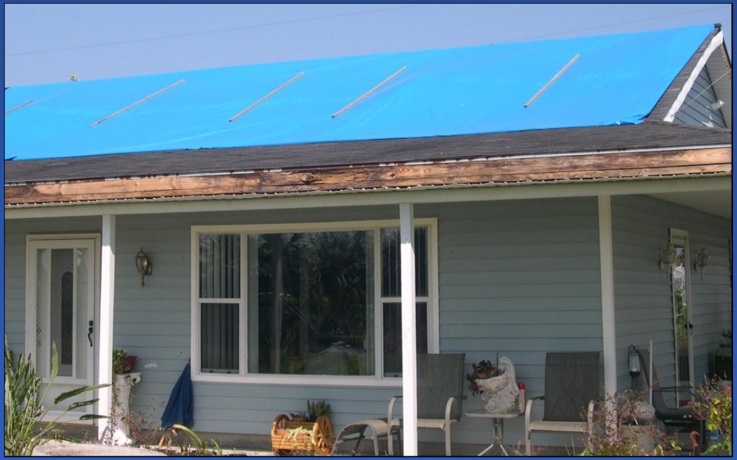
- Small Roof Repair
- Tarp Installation
- Structural Repairs

November, 2005

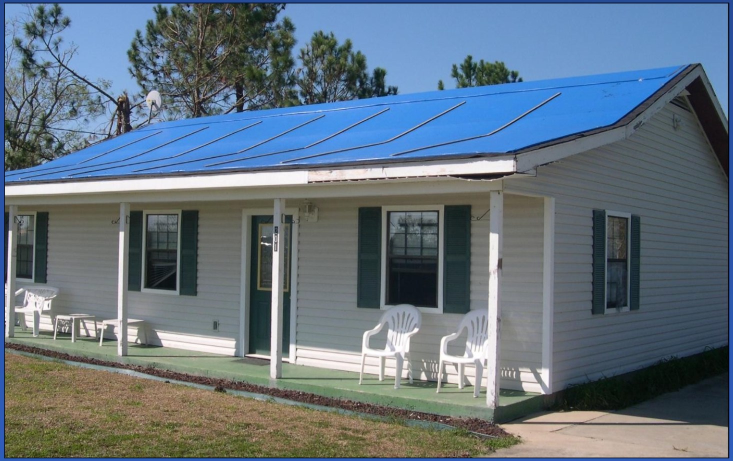
PHASE II: REPAIR

Living vs. Non-living Areas

- Don’t do garages, porches, large eves, storage areas
- If you do it, you don’t get paid.
- Call if ROE suggests otherwise or is



Correct



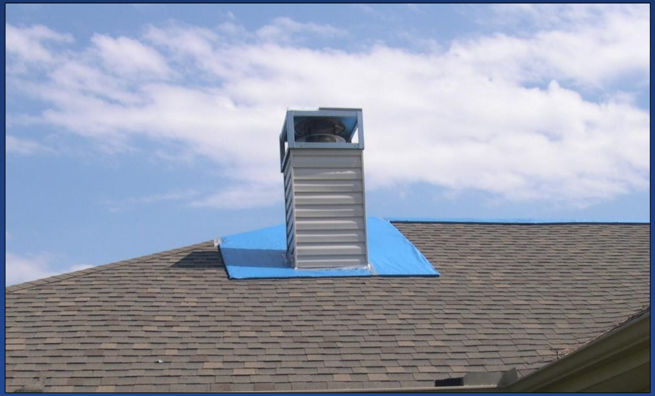
Incorrect

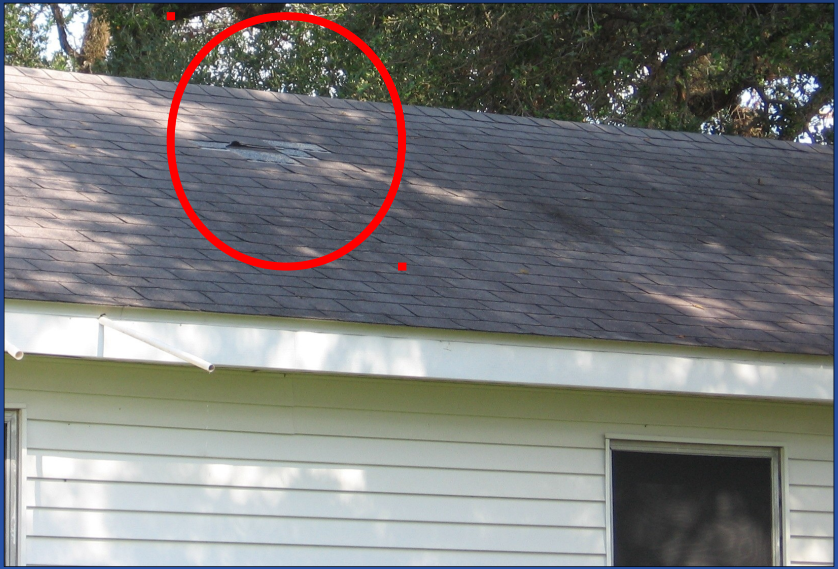
PHASE II: REPAIR

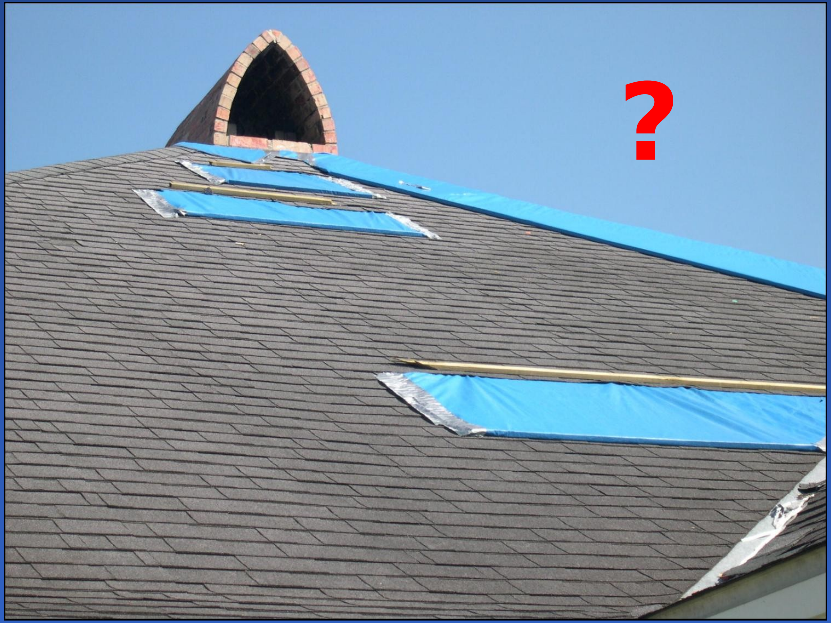
Small Roof Repair

- Total area less than 50 s.f.
- Few missing shingles, tarpaper or decking showing
- Repair options
  - Rolled roofing
  - Patch in with blue ta

EXAMPLES OF SMALL REPAIRS







PHASE II: REPAIR

Plastic Installation

- Living vs. Non-living areas
- Elements of Installation
  - Anchoring and stretching
  - Batten placement
  - Ridges and valleys
  - Vents and skylights
  - Taping: Edges, vents, turbines, punctures
  - Overall appearance
- Call if area estimate over or under by XXX(?) s.f.

INSTALLATION

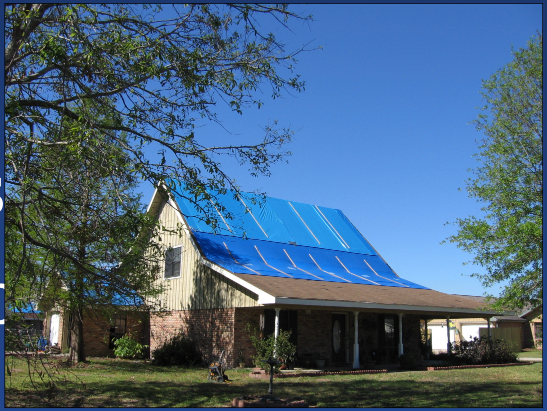
Elements of Installation

- Anchoring and stretching
- Batten placement
- Ridges and valleys
- Vents and skylights
- Type and use of tape: Edges, vents, turbines, punctures
- Overall appearance

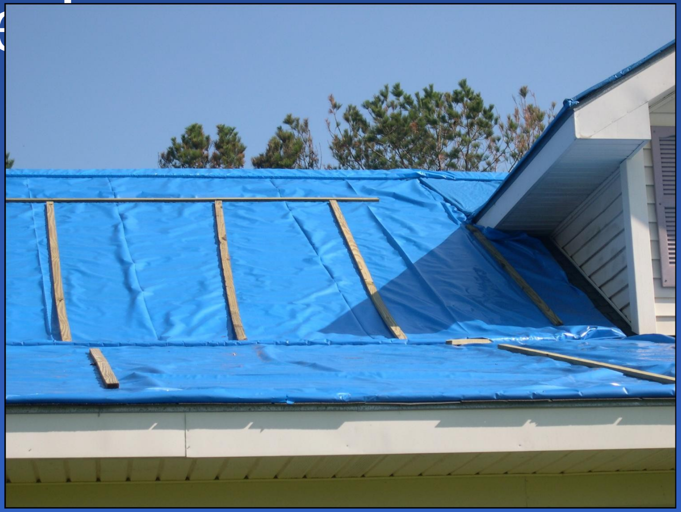
INSTALLATION

Anchoring and Stretching

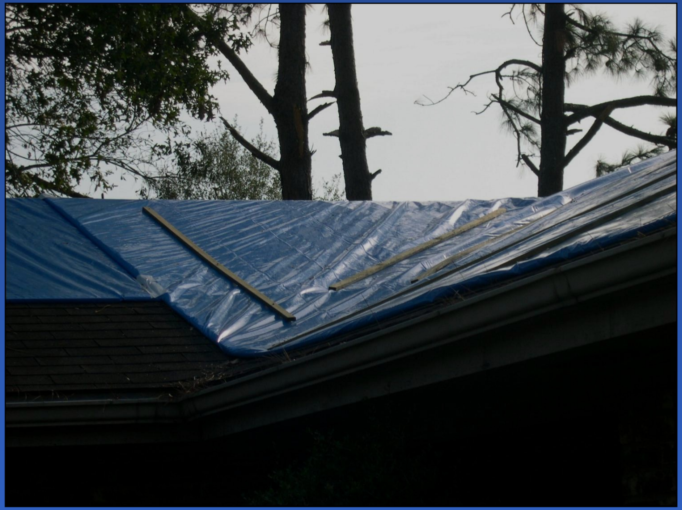
- Edges anchored with 3 wraps
- Stretch upward over ridgecap
- Wrap and anchor all edges
- Avoid billowing, large bubbles, loose e



Correct



Incorrect



Incorrect

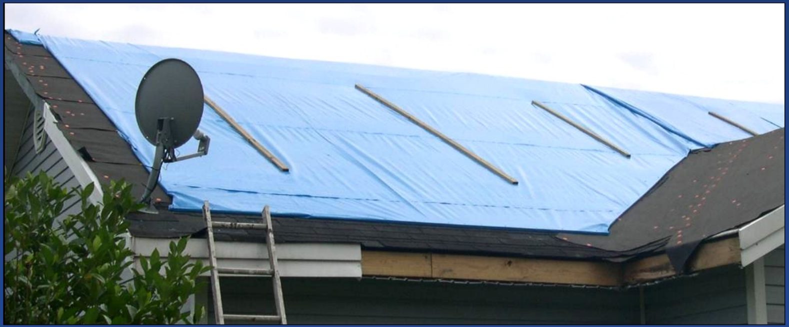
INSTALLATION

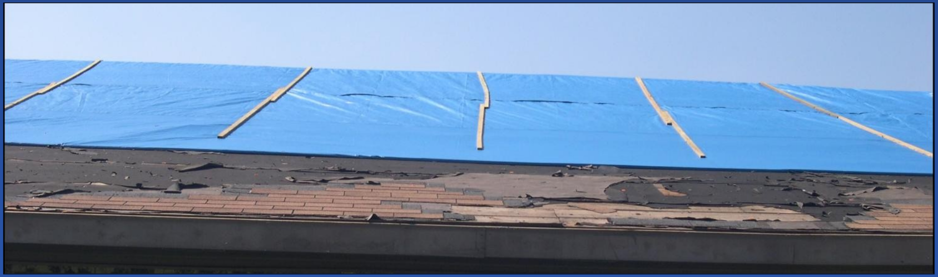
Batten Placement (1)

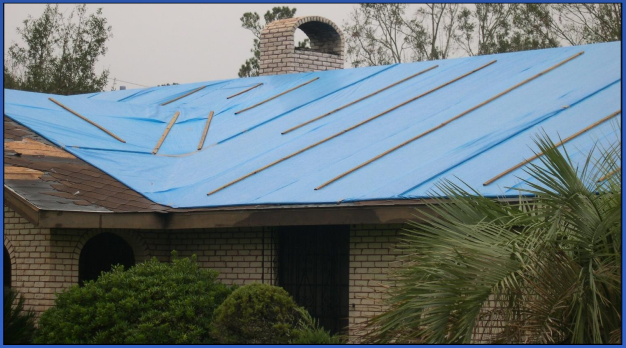
- Wrap edge battens at least three times
- Space at least 6 feet apart
- Extend the length of the work
- Nail every 2 feet w/ 8d galvanized nails (?)
- Do not cross battens
- Butt ends to extend, not side-by-side
- Do not extend over ridge caps
- Do not block drainage

INSTALLATION

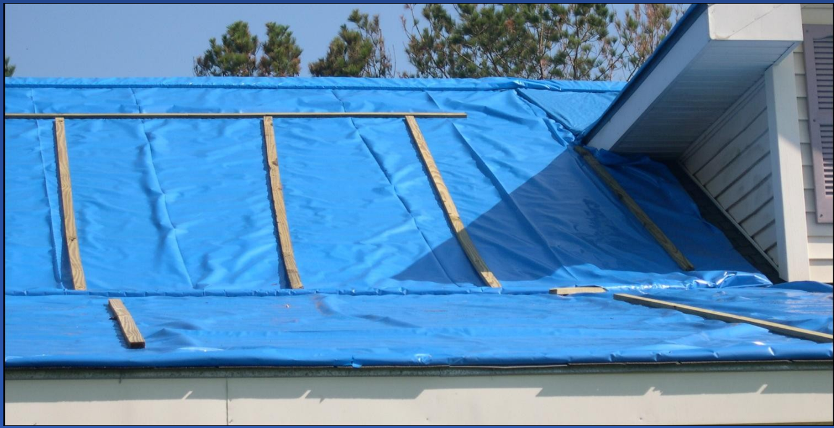
Batten Placement (2)

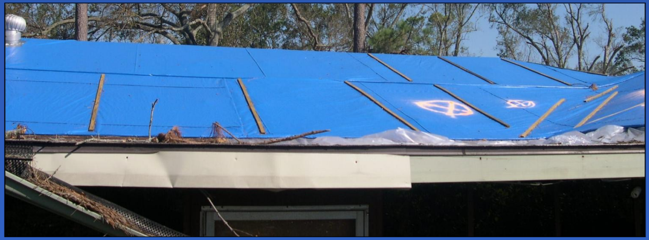






Correct



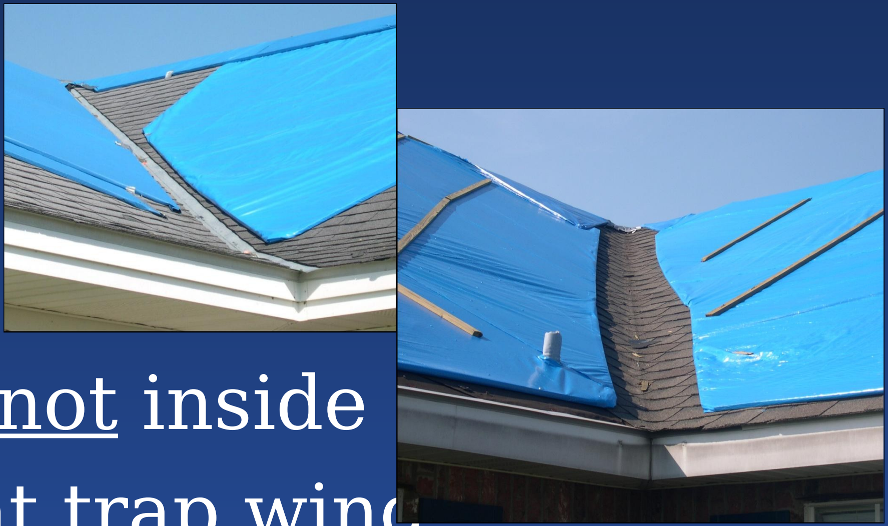


Incorrect

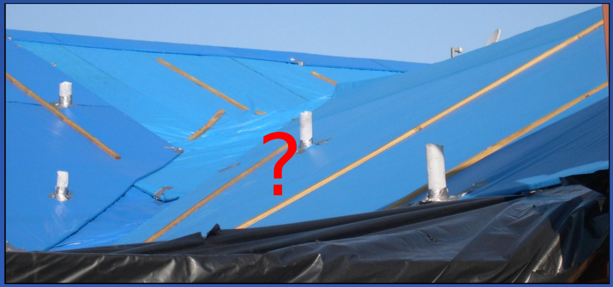
INSTALLATION

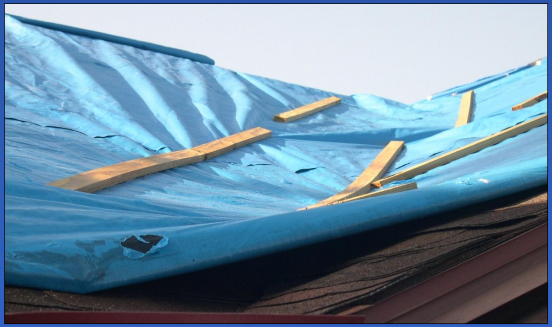
Valleys (1)

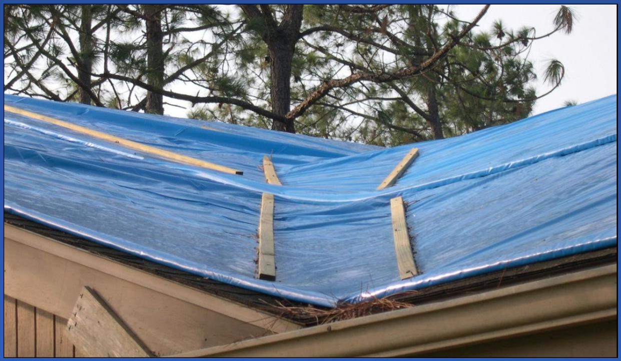
- Don’t block drainage
- Run battens outside, not inside
- Avoid loose edges that trap wind
- Don’t put nails in metal



Correct

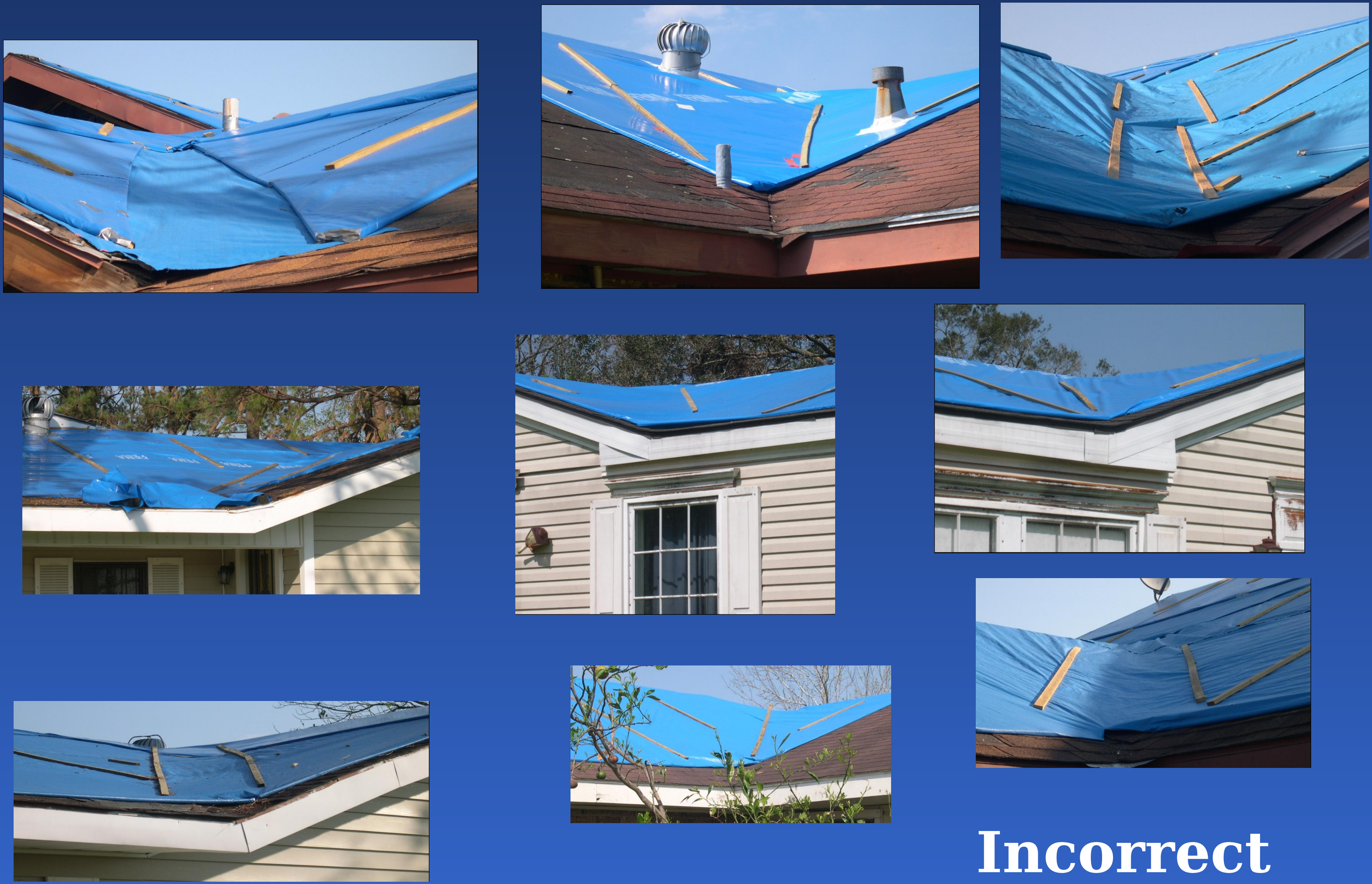






Incorrect

Valleys (2)

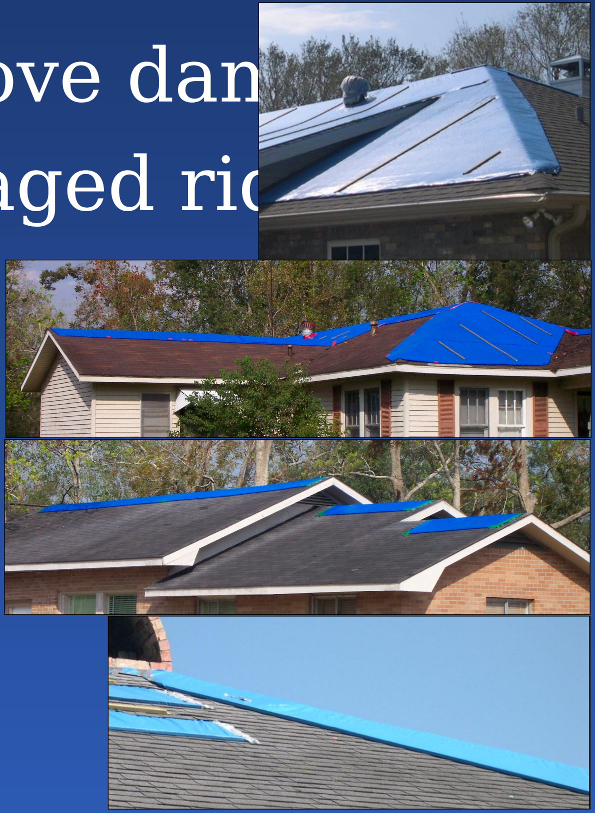


Incorrect

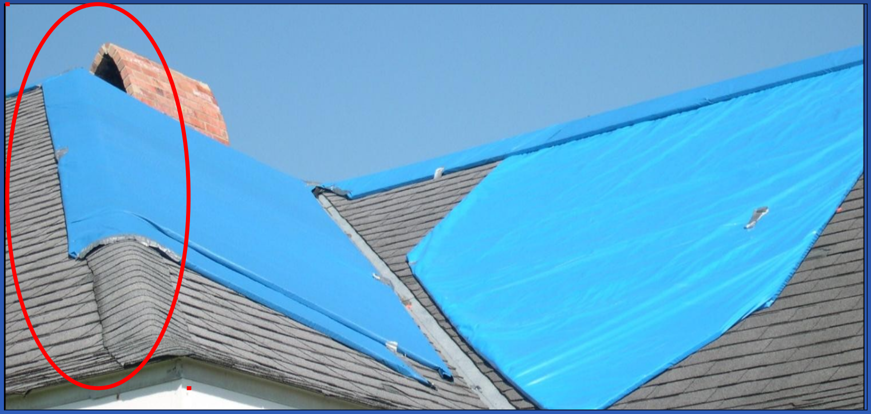
INSTALLATION

Ridges

- Extend 2 ft over ridge cap above dan
- Extend 2ft either side of damaged ri cap



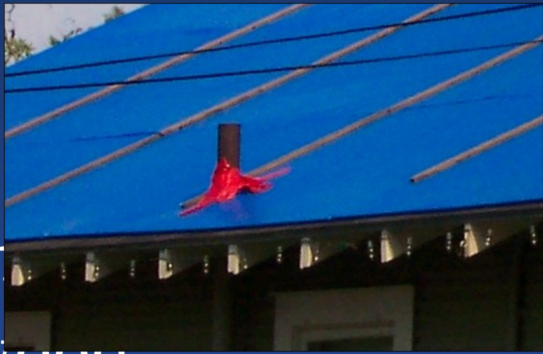
Correct



Incorrect

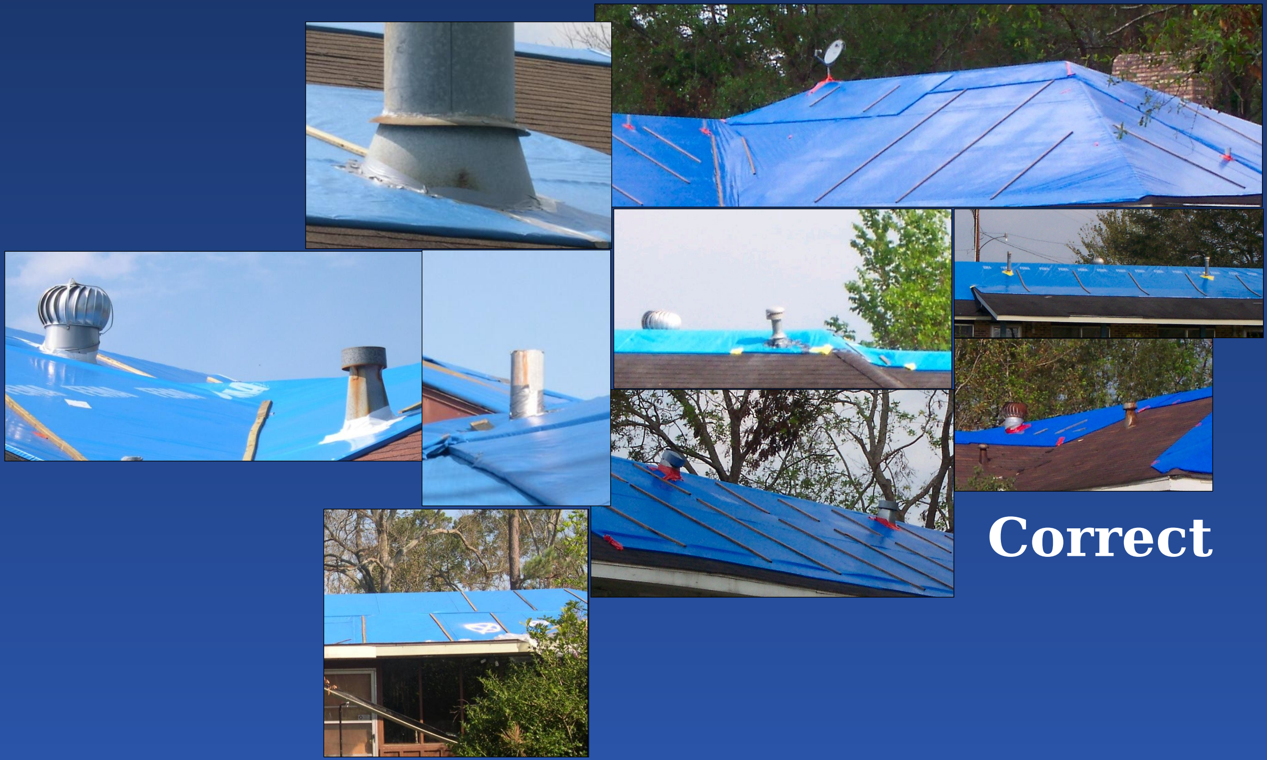
INSTALLATION

Vents, turbines, and skylights



- Where turbine is missing:
  - If stack remaining, cap with tarp r
  - If hole in decking, cover with plywood
- Seal bases with tape
  - Seal base to tarp with tape
  - Extend tape up the base to make “shoulder”
- Extend tarp over skylight and mark with paint

Vents, turbines, and skylights (2)



Correct

Incorrect

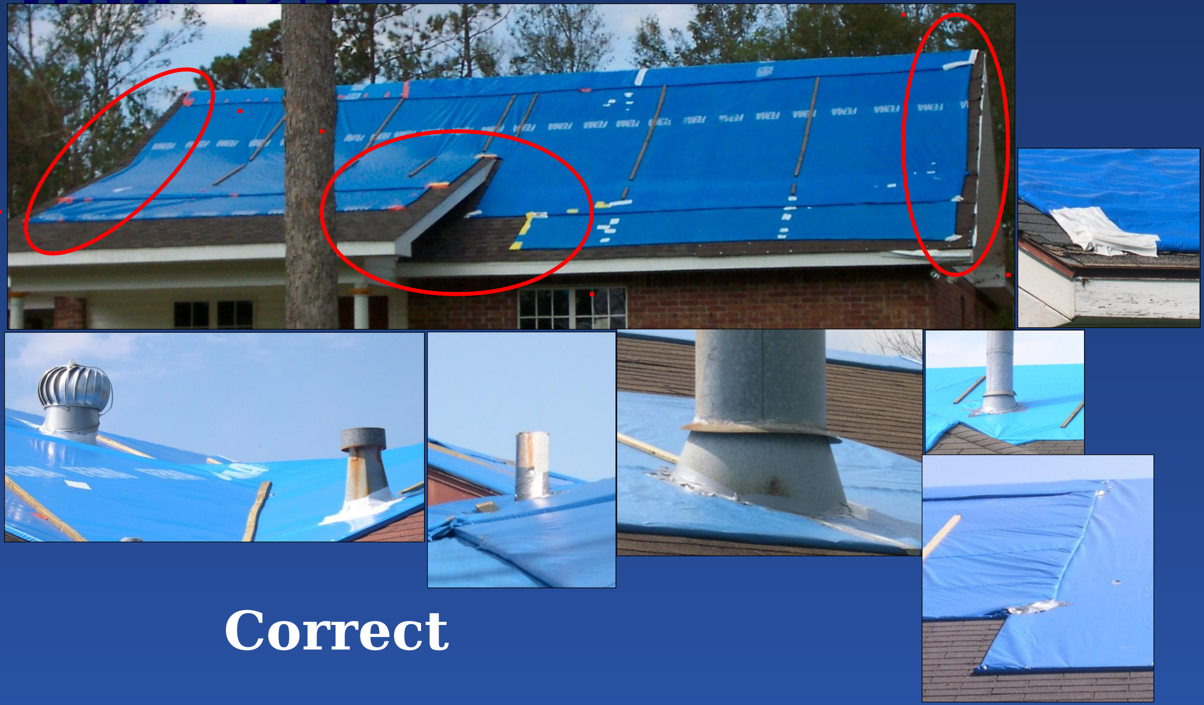
INSTALLATION

Type and Use of Tape (1)

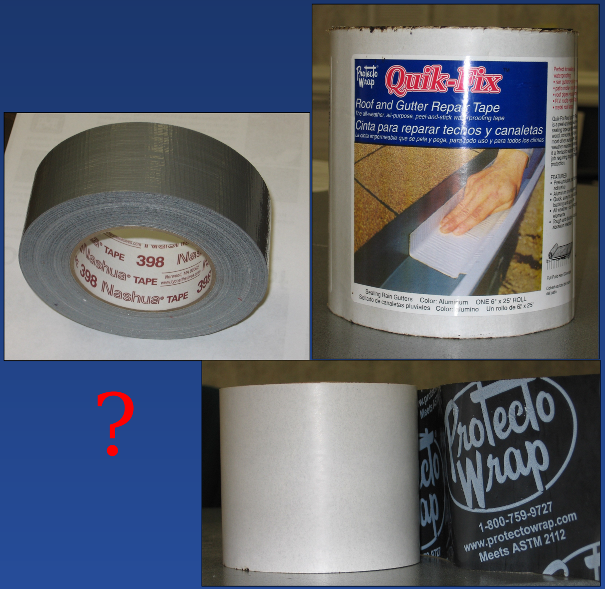
Protecto Wrap
1-800-759-9727
www.protectowrap.com
Meets ASTM 2112

- Acceptable tape types
  - Rubber-based industrial grade tape
  - “Peel and Stick”
  - Duct tape when rubber-based unavailable **(?)**
- Apply to all joints between tarp and other material
  - Base of vent, turbine stacks, other seams
  - Create 2” “shoulder” of tape on all sides of joint
- Cover all punctures and tears
- Tape all loose corners or tape edges to roof
- Avoid overuse of tape **(?)**

Type and Use of Tape (2)

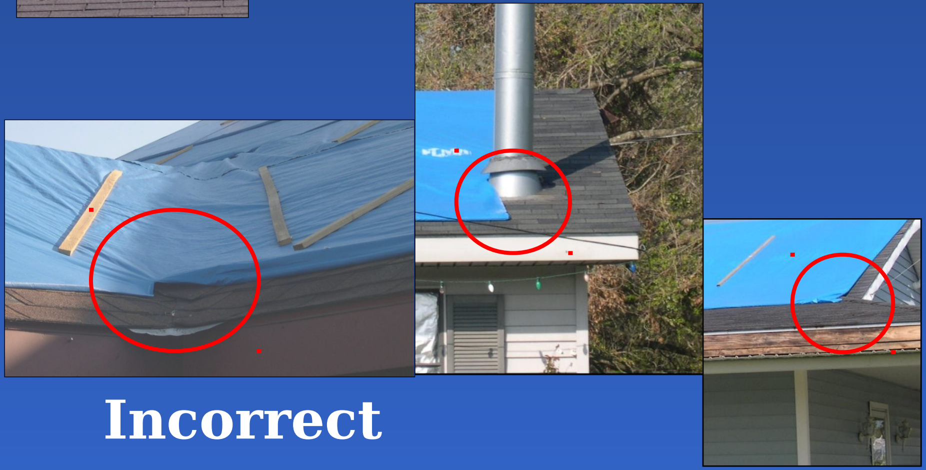


Correct


Nashua TAPE 398
Protecto Wrap Quik-Fix
Roof and Gutter Repair Tape
Cinta para reparar techos y canaletas
Protecto Wrap
1-800-759-9727
www.protectowrap.com
Meets ASTM 2112

?

Acceptable Tape

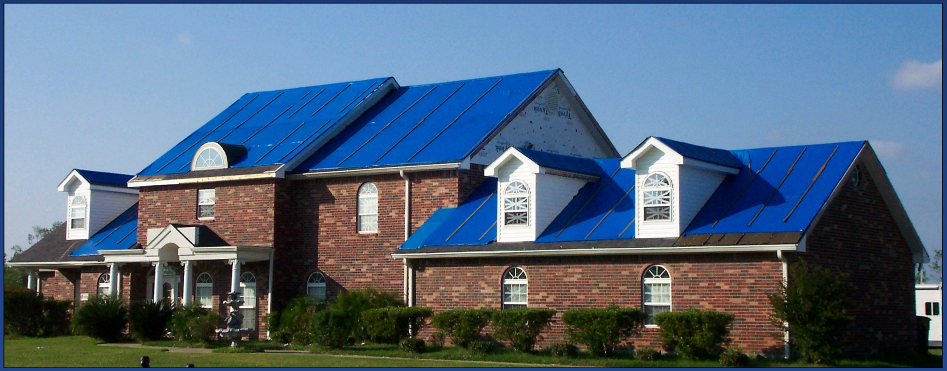


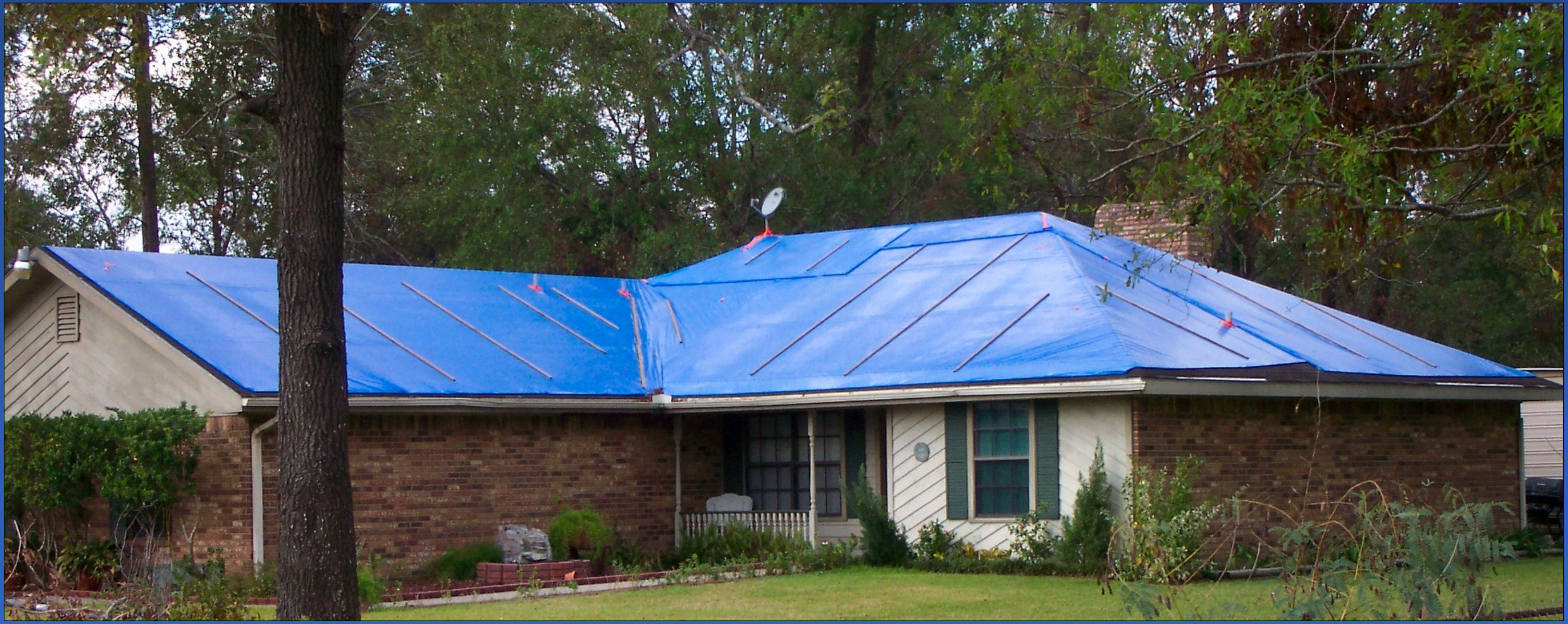
Incorrect

INSTALLATION

Overall Appearance

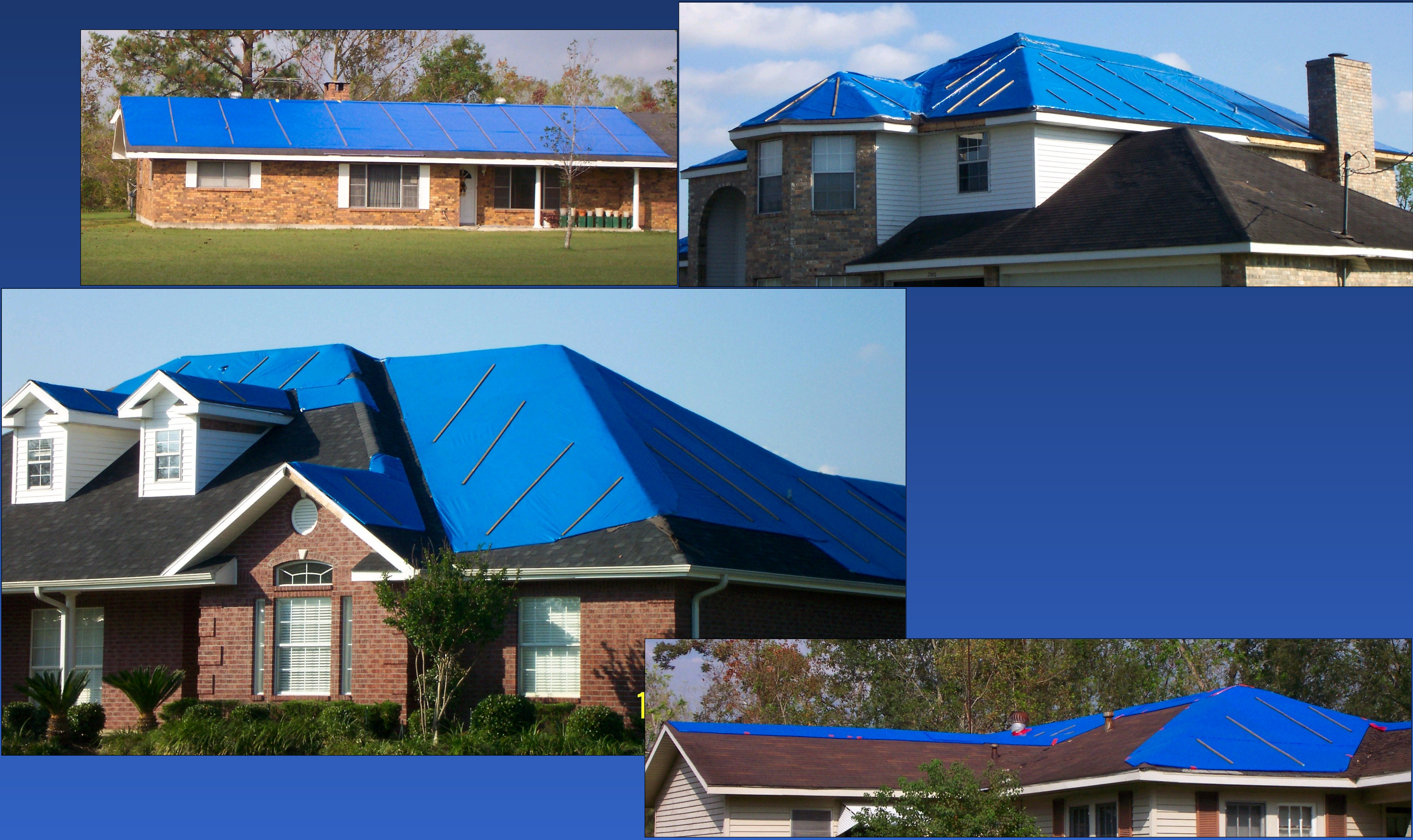
- Neat, professional
- Clean, finished look



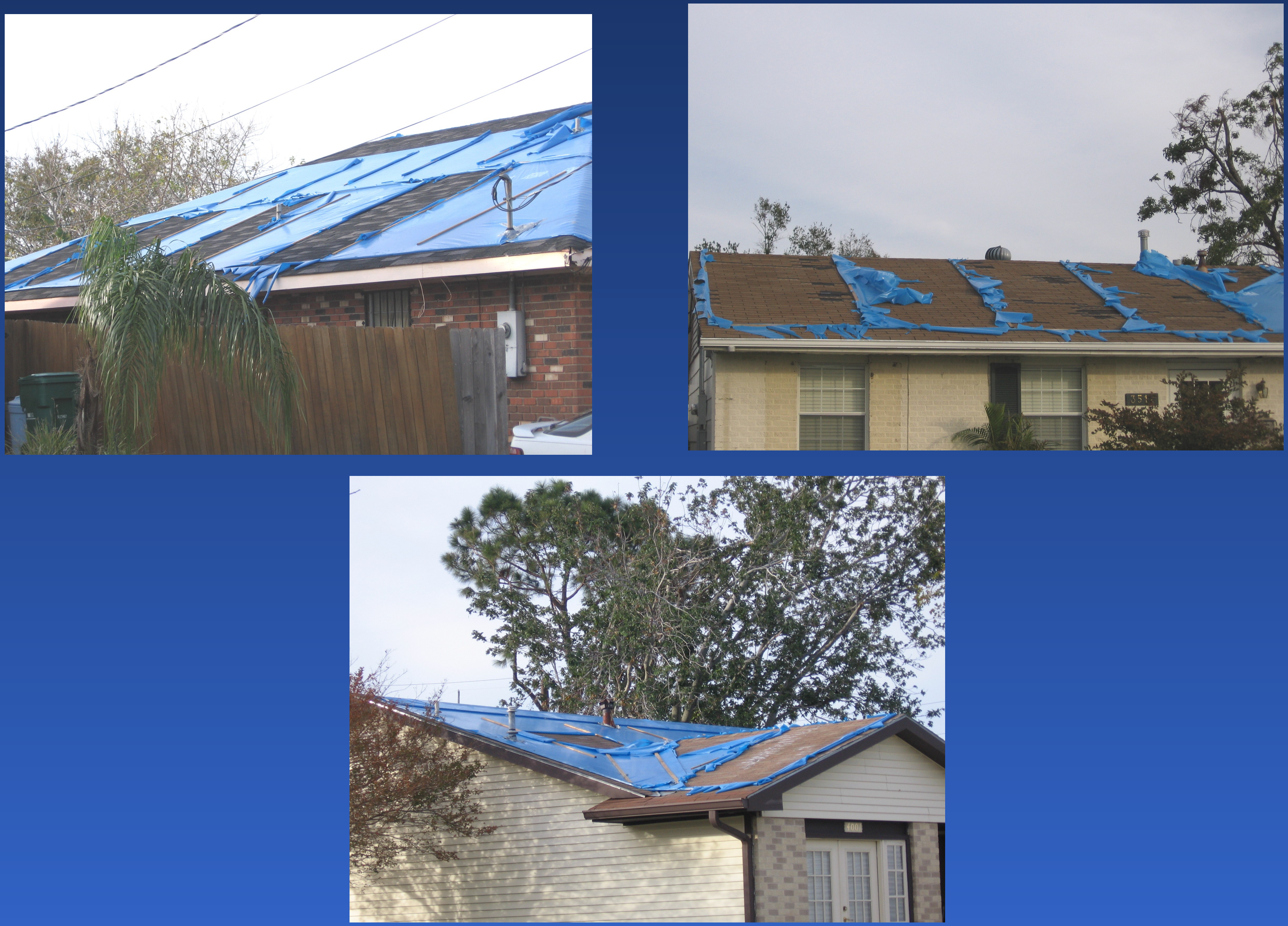


Finished Roofs

Correct



Finished Roofs – Poor Quality Plastic



PHASE II: REPAIR

Structural Repairs

- At least 50% of building intact
- Build decking surface with 2 x 4’s
- Deck with plywood before covering with tarp

PHASE III:
QA/QC

PHASE III: Quality Assurance & Control

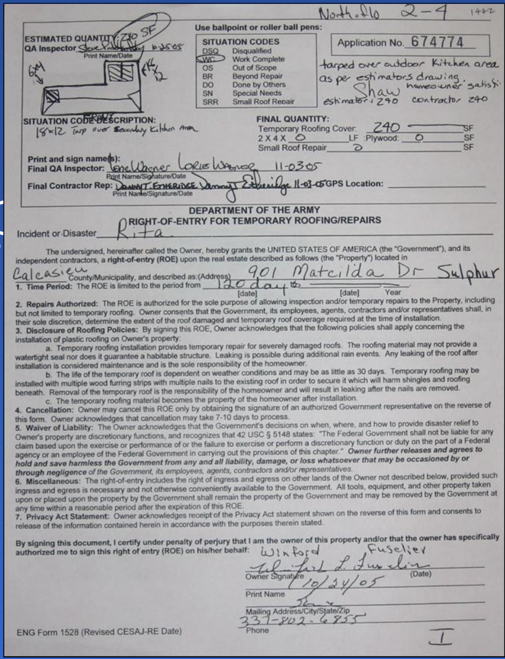
Review Steps to Follow

- Overall appearance and finish
- Coverage of non-living areas or disqualified structure
- Elements of “Repair” and “Installation”
  - Anchoring and stretching
  - Use and placement of battens
  - Ridges and valleys
  - Vents and skylights
  - Type and use of tape: Edges, vents, turbines, punctures
- Difference in estimated vs. installed square-feet
- Use of structural materials (2x4s and ply)

PHASE III: Quality Assurance & Control

Finalizing the ROE (1)

- If rework required
  - Note problems or conflicts (preferably in red)
  - Mark rework areas on drawing
  - Note name and phone of QA
- If final
  - Agree on square-feet and materials
  - Note materials used in spaces
  - Merge white, green, and yellow cop
  - Print name, sign and date
  - QC prints, signs and date
  - Return green and yellow



North Flo 2-4 1442

ESTIMATED QUANTITY: 240 SF

QA Inspector Steve P[illegible] 10-25-05
Print Name/Date

Use ballpoint or roller ball pens:

SITUATION CODES	
DSQ	Disqualified
[✓ WC]	Work Complete
OS	Out of Scope
BR	Beyond Repair
DO	Done by Others
SN	Special Needs
SRR	Small Roof Repair

Application No. 674774

tarped over outdoor Kitchen area as per estimators drawing. homeowner satisfi
Shaw estimator: 240 contractor 240

SITUATION CODE DESCRIPTION:
18×12 Tarp over Secondary Kitchen Area

FINAL QUANTITY:
Temporary Roofing Cover: 240 SF
2 X 4 X 0 LF :Plywood: 0 SF
Small Roof Repair 0 SF

Print and sign name(s):
Final QA Inspector: Lorie Wagner Lorie Wagner 11-03-05
Print Name/Signature/Date
Final Contractor Rep: DANNY T. ETHERIDGE Danny T Etheridge 11-03-05 **GPS Location:**
Print Name/Signature/Date

DEPARTMENT OF THE ARMY
RIGHT-OF-ENTRY FOR TEMPORARY ROOFING/REPAIRS

Incident or Disaster Rita

The undersigned, hereinafter called the Owner, hereby grants the UNITED STATES OF AMERICA (the "Government"), and its independent contractors, a **right-of-entry (ROE)** upon the real estate described as follows (the "Property") located in Calcasieu County/Municipality, and described as:(Address) 901 Matcilda Dr Sulphur

1. Time Period: The ROE is limited to the period from 120 days to [date] [date] Year

2. Repairs Authorized: The ROE is authorized for the sole purpose of allowing inspection and/or temporary repairs to the Property, including but not limited to temporary roofing. Owner consents that the Government, its employees, agents, contractors and/or representatives shall, in their sole discretion, determine the extent of the roof damaged and temporary roof coverage required at the time of installation.

3. Disclosure of Roofing Policies: By signing this ROE, Owner acknowledges that the following policies shall apply concerning the installation of plastic roofing on Owner's property:

a. Temporary roofing installation provides temporary repair for severely damaged roofs. The roofing material may not provide a watertight seal nor does it guarantee a habitable structure. Leaking is possible during additional rain events. Any leaking of the roof after installation is considered maintenance and is the sole responsibility of the homeowner.

b. The life of the temporary roof is dependent on weather conditions and may be as little as 30 days. Temporary roofing may be installed with multiple wood furring strips with multiple nails to the existing roof in order to secure it which will harm shingles and roofing beneath. Removal of the temporary roof is the responsibility of the homeowner and will result in leaking after the nails are removed.

c. The temporary roofing material becomes the property of the homeowner after installation.

4. Cancellation: Owner may cancel this ROE only by obtaining the signature of an authorized Government representative on the reverse of this form. Owner acknowledges that cancellation may take 7-10 days to process.

5. Waiver of Liability: The Owner acknowledges that the Government's decisions on when, where, and how to provide disaster relief to Owner's property are discretionary functions, and recognizes that 42 USC § 5148 states: "The Federal Government shall not be liable for any claim based upon the exercise or performance of or the failure to exercise or perform a discretionary function or duty on the part of a Federal agency or an employee of the Federal Government in carrying out the provisions of this chapter." ***Owner further releases and agrees to hold and save harmless the Government from any and all liability, damage, or loss whatsoever that may be occasioned by or through negligence*** *of the Government, its employees, agents, contractors and/or representatives.*

6. Miscellaneous: The right-of-entry includes the right of ingress and egress on other lands of the Owner not described below, provided such ingress and egress is necessary and not otherwise conveniently available to the Government. All tools, equipment, and other property taken upon or placed upon the property by the Government shall remain the property of the Government and may be removed by the Government at any time within a reasonable period after the expiration of this ROE.

7. Privacy Act Statement: Owner acknowledges receipt of the Privacy Act statement shown on the reverse of this form and consents to release of the information contained herein in accordance with the purposes therein stated.

By signing this document, I certify under penalty of perjury that I am the owner of this property and/or that the owner has specifically authorized me to sign this right of entry (ROE) on his/her behalf: Winford Fuselier

Winford L. Fuselier 10/24/05
Owner Signature (Date)

Print Name

Mailing Address/City/State/Zip

337-802-6855
Phone

ENG Form 1528 (Revised CESAJ-RE Date)

I

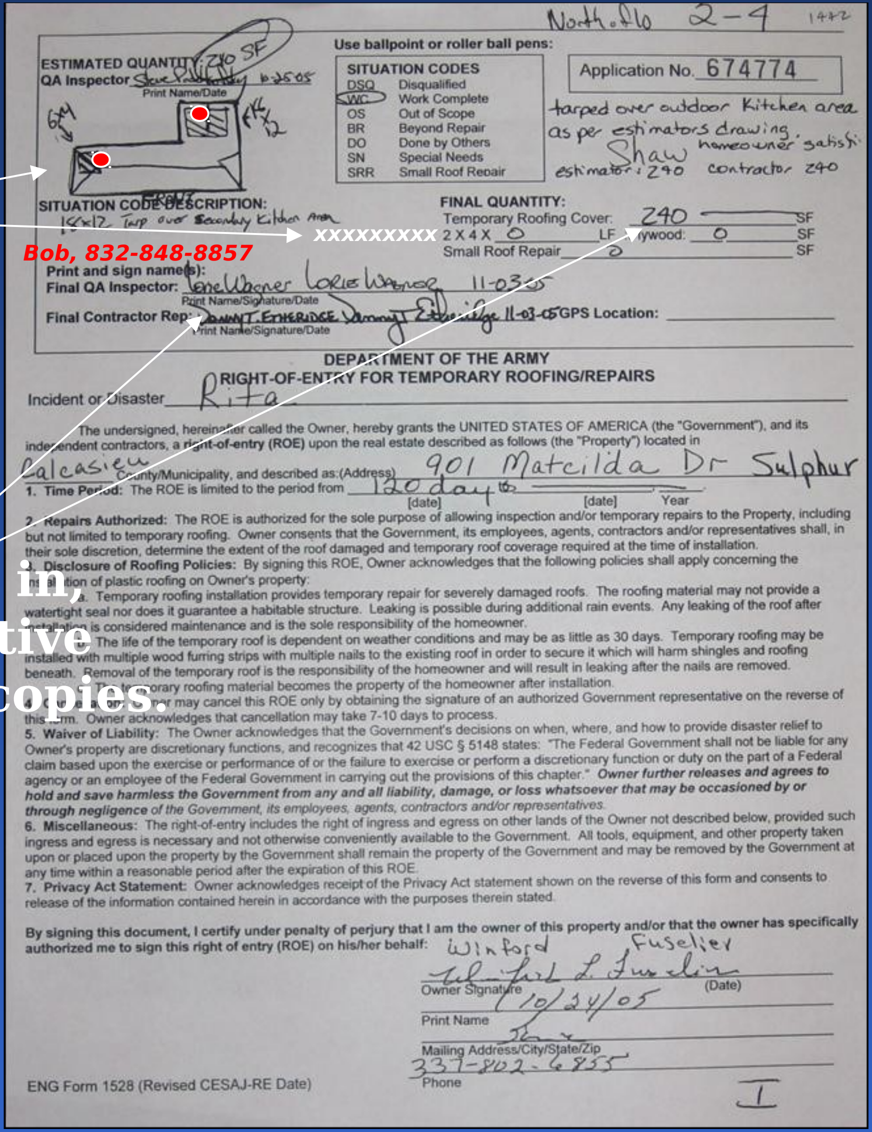
Finalizing the ROE (2)

If rework required:

Note deficiencies, mark in red and leave QA name & phone.

If final:

Merge copies, agree on final square feet and materials, fill in, then sign with QC representative and return green and yellow copies.



North Flo 2-4 1472

ESTIMATED QUANTITY: 240 SF
QA Inspector Steve [illegible] 10-25-05
Print Name/Date

Use ballpoint or roller ball pens:

SITUATION CODES

DSQ	Disqualified
[✓ WC]	Work Complete
OS	Out of Scope
BR	Beyond Repair
DO	Done by Others
SN	Special Needs
SRR	Small Roof Repair

Application No. 674774

tarped over outdoor Kitchen area as per estimators drawing. homeowner satisfi
Shaw
estimator: 240 contractor 240

SITUATION CODE DESCRIPTION:
15x12 Tarp over Secondary Kitchen Area

FINAL QUANTITY:
Temporary Roofing Cover: 240 SF
xxxxxxxxx 2 X 4 X 0 LF Plywood: 0 SF
Small Roof Repair 0 SF

Bob, 832-848-8857

Print and sign name(s):
Final QA Inspector: Lorie Wagner Lorie Wagner 11-03-05
Print Name/Signature/Date
Final Contractor Rep: DANNY T. ETHERIDGE Danny T Etheridge 11-03-05 GPS Location:
Print Name/Signature/Date

DEPARTMENT OF THE ARMY
RIGHT-OF-ENTRY FOR TEMPORARY ROOFING/REPAIRS

Incident or Disaster Rita

The undersigned, hereinafter called the Owner, hereby grants the UNITED STATES OF AMERICA (the "Government"), and its independent contractors, a **right-of-entry (ROE)** upon the real estate described as follows (the "Property") located in Calcasieu County/Municipality, and described as:(Address) 901 Matcilda Dr Sulphur

1. Time Period: The ROE is limited to the period from 120 days to
[date] [date] Year

2. Repairs Authorized: The ROE is authorized for the sole purpose of allowing inspection and/or temporary repairs to the Property, including but not limited to temporary roofing. Owner consents that the Government, its employees, agents, contractors and/or representatives shall, in their sole discretion, determine the extent of the roof damaged and temporary roof coverage required at the time of installation.

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By signing this document, I certify under penalty of perjury that I am the owner of this property and/or that the owner has specifically authorized me to sign this right of entry (ROE) on his/her behalf: Winford Fuselier

Winford L. Fuselier
Owner Signature (Date)
10/24/05
Print Name
Mailing Address/City/State/Zip
337-802-6855
Phone

ENG Form 1528 (Revised CESAJ-RE Date)

I

END